

**WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE II APPENDIX I DETECTION MONITORING
APRIL 2012 SAMPLING
S&ME Project No. 1584-98-081**

Prepared For:



The City of Greensboro

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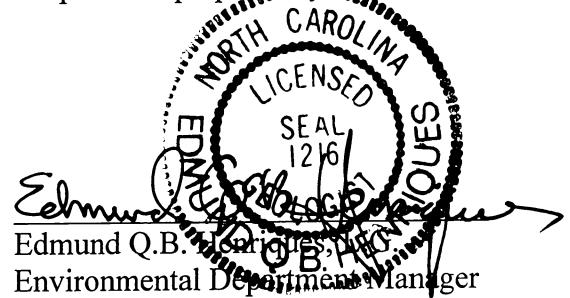


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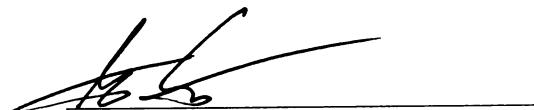
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I hereby certify this 22nd day of August 2012 that this report was prepared by me or under my direct supervision.



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1. EXECUTIVE SUMMARY

Twelve monitoring wells and four stream locations at the White Street Landfill were sampled on April 17 and 18, 2012. Twelve wells (II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14) comprise the groundwater monitoring system for the Phase II solid waste disposal area of the landfill. Monitoring well MW-13 serves as a background well for both the Phase I and the Phase II areas. Monitor well MW-14 serves as a background well for Phase II. All sampling was conducted according to North Carolina Solid Waste Management Guidelines. Samples were analyzed by a North Carolina certified laboratory. Samples collected from the Phase II area were submitted for analysis using the Appendix I assessment monitoring list. Samples from surface water locations SW-1, SW-2, SW-3, SW-4 and SW-5, were analyzed for the Appendix I list constituents.

1.1 Groundwater Quality

Results from the Phase II monitoring well samples indicated compliance wells II-1, II-2 and II-3 contained one or more of the following Appendix I volatile organic constituents at concentrations exceeding the corresponding 15A NCAC 2L groundwater quality standard for Class GA groundwater (2L Standard); 1,1-dichloroethane, benzene, tetrachloroethene, and vinyl chloride. No other Appendix I volatile organic compounds were detected with concentrations greater than the 2L Standards, on the dates the samples were collected.

Results from the Phase II monitoring well samples report no Appendix I inorganic constituents in groundwater samples at concentrations that exceed the corresponding 2L Standard, with the exception of barium and chromium in monitoring well II-4. Time vs concentration plots for barium and chromium in well II-4 suggest that the reported concentrations are outliers relative to the historic data set, which have need of confirmation. Arsenic was detected at wells II-1, II-5, II-7B, II-8 and background wells MW-13 and MW-14; and in the laboratory method blank. The concentration of arsenic detected at well II-8 exceeds the 2L Standard. The presence of arsenic in both background wells suggests some natural occurrence of arsenic in site soil. The potential for arsenic as a constituent of concern will be re-examined during the next semi-annual monitoring event.

Currently, there is no corresponding 2L Standards for cobalt and vanadium; however, North Carolina has published an Interim Maximum Allowable Concentrations (IMAC) for each constituent. The vanadium concentrations reported for compliance wells and background well MW-13 exceed the corresponding IMAC. The cobalt concentrations exceed the corresponding IMAC. No other Appendix I inorganic constituents were detected at concentrations exceeding the corresponding 2L Standards or IMAC.

During 2007, S&ME completed an Alternate Source Demonstration (ASD) for metals. The results of the ASD successfully demonstrated that the concentrations of several naturally-occurring metals including cobalt and vanadium within the in-situ soil at the Facility were sufficient to influence the concentrations in groundwater and a report of cobalt or vanadium at concentrations above the 2L Standards may not be due to a release by the Facility, but instead may be the result of the natural occurrence of these metals in

the native, residual soil. Based on the ASD findings the concentrations of cobalt and vanadium reported during this monitoring event are thought to reflect naturally occurring conditions, and thus should not be considered an exceedance of the 2L Standards or corresponding IMAC.

The laboratory analytical results were analyzed for evidence of statistically significant increases (SSIs) over background values. In order to determine if any individual parameter concentration detected during this monitoring event represents a statistically significant increase over the historic background concentrations, once the respective Upper Limit was obtained, the compliance data were compared via an Inter-Well Comparison to the Statistical Upper Limit to determine if an SSI may have occurred.

The statistical analyses suggest that five inorganic parameters (arsenic, chromium, cobalt, nickel, and vanadium) were detected during this monitoring event at one or more sampling locations at reported concentrations that exceed the corresponding Statistical Upper Limit. The Inter-Well comparisons of the compliance data to the statistical Upper Limits shows that the SSI's for arsenic occurred in monitoring well II-8, for chromium in well II-4, for cobalt in wells II-1, and II-4, and for nickel and vanadium in well II-4. The cobalt and vanadium concentrations reported during this event are greater than their corresponding IMAC. The time vs. concentration plot for arsenic in monitoring well II-8 suggest no discernible trend is apparent. The time vs. concentration plot for chromium, cobalt, nickel, and vanadium in well II-4 suggests fluctuating concentrations of these constituents over time with no discernible trends apparent. The time vs. concentration plot for cobalt in well II-1 shows fluctuations in the concentration of cobalt in this well with no discernable trend evident.

The statistical analyses suggest that three volatile organic parameters (1,1-dichloroethane, cis-1,2-dichloroethene, and tetrahydrofuran) were detected in concentrations that exceed their corresponding statistically computed Upper Limit. The Inter-Well comparisons of the compliance results to the statistical Upper Limits suggest compliance wells II-1, II-2, II-3, II-4, II-6, II-7B, and II-8 contain one or more of the three volatile organic parameters detected at concentrations that suggest a statistically significant increase over the historic background concentrations. The time vs. concentration plots for these compounds suggest an apparent increasing trend in the concentrations of 1,1-dichloroethane in monitoring wells II-2 and II-3 as well as cis-1,2-dichloroethene in monitoring well II-2 over time. The time vs. concentration plots for tetrahydrofuran suggest a decreasing trend in wells II-1, and II-6 with a slight increasing trend in well II-8. The current event represents the first detection of tetrahydrofuran above the NC SWSL in wells II-4 and II-7B and therefore, no trend is discernible.

A Corrective Action Plan has been prepared to address the 2L Standard exceedances reported in the current as well as prior water quality monitoring reports, with the exception of the exceedances in monitoring well II-3. Monitoring well II-3B was installed down-gradient of well II-3, to assess groundwater quality conditions further down-gradient of well II-3; however, at a point prior to reaching the compliance boundary. Analytical results for monitoring well II-3B report no volatile organic compounds detected at concentrations that exceed the corresponding 2L Standards. This assessment finds that the portion of the landfill monitored by well II-3B is currently in

compliance with applicable groundwater quality standards. The detection of concentrations greater than the 2L Standards at monitoring well II-3 are thought to be due to the close proximity of this well to the limits of waste. Based on location of well II-3 substantially behind the compliance boundary, it is not a relevant compliance monitoring point under this Permit.

Analytical results for sentinel wells SMW-1, SMW-3, and SMW-4 indicate that each of the areas of concern represented by these wells, has groundwater quality which has achieved compliance with the 2L Standards, which are also the Corrective Action Plan remedial goals.

1.2 Surface Water Quality

Results from the Phase II surface water sampling indicated no Appendix I constituents were detected at concentrations above their corresponding NCAC 2B standards. Given the constituents and concentrations detected at upstream sample locations, Phase II is not thought to be the source of the Appendix I constituents detected at the down-stream sample locations during this monitoring event.

2. INTRODUCTION

White Street Landfill is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to complete this Phase II Appendix I assessment/detection monitoring event. Phase II of the landfill is covered by Solid Waste Permit #41-03. One upgradient monitor well (MW-14), nine downgradient monitoring wells located along the perimeter of the Phase II disposal area, one bedrock monitor well (II-7B), and one background monitoring well (MW-13) located approximately 4,300 feet southwest of the Phase II area were sampled. Five surface water samples were collected from North Buffalo Creek and one of its tributaries in the vicinity of the White Street facility.

Sentinel monitoring wells SMW-1, SMW-3, and SMW-4 installed as part of the Corrective Action Plan, and Nature and Extent Study (NES) monitoring well II-9 were sampled as an interim measure pending NCDENR approval of the Corrective Action Evaluation Report and pending Corrective Action Monitoring Plan.

All Phase II compliance monitoring well samples were analyzed for the Appendix I list of constituents. Surface water samples SW-1 through SW-5 were analyzed for the Appendix I list constituents. The sentinel monitoring well and NES well samples were analyzed for Appendix I volatile organic compounds. This report discusses the field procedures, summarizes the field measurements and analytical results, and presents the statistical evaluation results for the April 2012 water quality monitoring event.

3. SCOPE OF WORK

To complete the scope of work, S&ME completed the following tasks:

- Sampled 12 compliance monitoring wells and five surface water locations at the White Street landfill SWMF.
- Sampled sentinel monitoring wells SMW-1, SMW-3, and SMW-4 and NES well II-9
- Obtained field values for pH, temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and conductivity at each sample location.
- Collected depth to water measurements during well purging to monitor drawdown.
- Had the compliance network samples analyzed for Appendix I constituents by a North Carolina certified laboratory using State approved methods. Had the sentinel monitoring well and NES well samples analyzed for Appendix I volatile organic constituents.
- Determined groundwater flow rates and directions at the Phase II area monitoring well locations.
- Performed statistical evaluations on Appendix I constituents.
- Prepared and submitted reports to the City of Greensboro and the State.

4. METHODS EMPLOYED

4.1 Monitoring Well Sampling

Groundwater monitoring well sampling took place on April 17 and 18, 2012. The monitoring well locations are shown on **Figure 1**. A representative from S&ME opened each well and measured the static water level from the top edge of the PVC casing in wells. An electronic water level indicator was used to obtain depth to water measurements. These data are summarized in **Table 1**. The total well depth sounding data reported for the sampling events completed during September 1997 and May 1998 were used to determine the volume of water in wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-8, II-12, MW-13 and MW-14, where dedicated MicroPurgeTM pumps had been previously installed.

In accordance with the facility's approved Water Quality Monitoring Plan, wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14 were purged using the dedicated Micro Purge pumps. Sentinel monitoring wells SMW-1, SMW-3, and SMW-4 were sampled using non-dedicated pumps. At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate was approximately 100 milliliters/minute (ml/min.). During purging, the depth to water was periodically monitored and recorded on the groundwater sampling field data sheets. The field data sheets are included in **Appendix I**. For the Phase II sampling event, the measured drawdown in the sampled wells is generally less than 2 feet.

It is our opinion that the observed drawdowns were generally minor during purging; therefore, the stresses placed on the aquifer should have been minor. The observed drawdown data also suggests that the purging rates should have been low enough such that recharge water should not have been overly agitated, reducing the potential for colloids to be drawn into the well bore.

The purge water from each of these wells was monitored for pH, temperature, DO, turbidity, ORP and conductivity. A sample was collected when the changes in those readings fluctuated no more than 10 percent. The field data collected during sampling was recorded on the groundwater sampling field data sheets, which are included in Appendix A. **Table 2** summarizes the results of the field data.

Based on the low flow sampling methods utilized, pumping rates was not the suspect cause for the observed high turbidity at well II-4. Well construction issues are a possible cause for the observed high turbidity and associated non-representative sediment content in the collected groundwater sample.

Groundwater samples were collected from the dedicated Teflon tubing at each of the wells with dedicated well sampling pumps. Immediately upon collection, each sample was placed in laboratory supplied containers, packed on ice, and placed under chain-of custody. The sampling technician wore latex gloves that were changed between wells to

minimize the possibility of cross contamination. After collection, the groundwater samples were packed on ice and placed under chain-of custody.

Phase II monitor well samples (II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14) were analyzed for Appendix I constituents. Based on the document contaminants of concern in the areas represented by these wells, sentinel monitoring wells SMW-1, SMW-3, SMW-4 and NES well II-9 were analyzed solely for Appendix I volatile organic compounds. Laboratory analyses were conducted by Environmental Conservation Laboratories, a North Carolina certified laboratory.

4.2 Statistical Analysis of Data

4.2.1 Software

All data were analyzed using *ChemStat 6.1* software package. The *ChemPoint 4.2* database management system was used to input and create the Data files based on the recent and historic laboratory data. The *ChemPoint* database is then converted to ASCII tab delimited files for use by the *ChemStat* software. The following procedures were used to carry out temporal and spatial analyses of the data for each constituent.

4.2.2 Statistical Methods-Groundwater Analyses

In accordance with the DEHNR-Solid Waste Management Rules 15A NCAC 13B, Sections 1632 (dated 1/7/97), several rounds of samples were collected from groundwater monitoring wells that comprise the Subtitle D monitoring well system and the analytical results were used to create a statistical baseline for statistically significant increases in constituent concentrations. This sampling round (April 2012) will be incorporated into the baseline for the next round of sampling.

The following procedure is used to analyze each new data set:

- A descriptive statistics program is run to provide the following information:
 - mean
 - standard deviation
 - variance
 - percentage non-detects
- Time versus concentration graphs were prepared for each parameter detected at quantified values and used to evaluate data trends and to identify potential data outliers.
- Normality/Data Distribution Tests were run and used to determine the statistical distribution of the database for each quantified parameter. The data distribution test results were utilized to determine if a data set exhibits a normal, log-normal or non-normal distribution. Due to the large number of non-detects for many of the wells and the lack of normality in the data sets, non-parametric statistical methods were deemed appropriate for the evaluation of the current compliance data set.
- A statistical Upper Limit was calculated for each of the detected parameter data sets utilizing Non-Parametric Upper Tolerance Limits. Then the compliance data were compared via an Inter-Well comparison to the statistical Upper Limit to determine if

an SSI had occurred. For all statistical analyses, the non-detect values were converted to the respective Detection Limit for data analysis. The tests were run at significance levels of both 95% and 99%.

- Data showing statistically significant increases across the site are examined to determine the validity of results.

4.3 Stream Sampling

Surface water sampling took place on April 17, 2012. Four stream samples (SW-1, SW-3, SW-4 and SW-5) were collected from North Buffalo Creek, which flows along the northwestern side of the White Street Landfill. One surface water sample (SW-2) was collected from a tributary of North Buffalo Creek. The locations of the stream samples are shown in **Figure 2**.

SW-1 was collected upstream from the landfill near the US Highway 29 Bridge. Sample SW-2 was collected from a southern tributary of North Buffalo Creek just before it joins the main creek west of the landfill entrance. SW-3 was collected downstream of the North Buffalo Wastewater Treatment Plant outfall and upstream of the landfill. SW-4 was collected downstream of the landfill at a USGS gauging station located on North Buffalo Creek about three-quarters of a mile north of the landfill. SW-5 was collected from North Buffalo Creek immediately downstream of the Phase II landfill disposal area.

The surface water samples were collected by immersing laboratory supplied containers in the water to be sampled. After collection, the surface water samples were packed on ice and placed under chain-of-custody. Each stream sample was analyzed for Appendix I inorganic and volatile organic constituents. The samples were submitted to by Environmental Conservation Laboratories, a North Carolina certified laboratory.

5. RESULTS

5.1 Groundwater Analytical Results

5.1.1 Phase II Appendix I Detection Monitoring

Wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14 comprise the monitoring system for the Phase II area. The results of the laboratory analyses for Appendix I constituents in the Phase II area groundwater monitoring wells are summarized in **Table 3** and **Table 4**, and the complete laboratory reports are included in **Appendix II**. The following provides a brief summary of the analytical results.

- Vinyl chloride was detected at monitoring wells II-1 and II-2 at concentrations greater than the 0.03 µg/L 15A NCAC 2L Standard groundwater quality standard (2L Standard).
- Tetrachloroethene was detected at monitoring wells II-2 and II-7B. Only the concentration detected at monitoring well II-2 exceeds the 0.7 µg/L 2L Standard.
- Benzene was detected at monitoring wells II-1 and II-3. Only the concentration detected at monitoring well II-3 exceeds the 1 µg/L 2L Standard.

- Trichloroethene was detected at monitoring well II-2 at a concentration which is less than the corresponding 2L Standard of 3 μ g/L.
- 1,1-dichloroethane was detected at monitoring wells II-1, II-2, II-3, II-4, II-7, II-7B, and II-8. Only the concentrations detected at monitoring wells II-2 and II-3 exceed the 6 μ g/L 2L Standard.
- 1,4-dichlorobenzene, 2-butanone, acetone, chlorobenzene, cis-1,2-dichloroethene, tetrahydrofuran, trichloroethene, and trichlorofluoromethane were reported in one or more monitoring well samples at concentrations below the corresponding 2L Standards.
- Arsenic was detected in compliance monitoring wells II-1, II-5, II-7B, and II-8; both background monitoring wells (e.g. MW-14 and MW-15), and in the laboratory method blank. Only the concentration detected in compliance well II-8 exceeds the corresponding 2L Standard.
- Chromium was detected both compliance and background monitoring wells. Only the concentration detected in monitoring well II-4 is greater than the corresponding 2L Standard.
- Barium was detected in each compliance well and background monitoring well. Only the concentration detected in compliance monitoring well II-4 is greater than the corresponding 2L Standard.
- Currently there are no corresponding NCAC 2L standard for cobalt and vanadium. During this event, cobalt and vanadium were detected at several monitoring wells at quantified or estimated concentrations greater than the corresponding Interim Maximum Allowable Concentration (IMAC). S&ME previously prepared an Alternate Source Demonstration (ASD) for metals at the Facility. The ASD demonstrated that cobalt and vanadium are naturally occurring in the in-situ soil at the Facility and at sufficient concentrations within the soil to influence groundwater quality. Therefore the detection of cobalt and vanadium at concentrations greater than the IMAC should not reflect a release stemming from the Facility.
- Copper, lead, nickel, silver, and zinc were reported in one or more monitor well locations; however, the reported concentrations are less than the corresponding NCAC 2L standards.
- Antimony was reported in one or more monitor well locations. Currently there is no corresponding 2L Standard for antimony. The reported antimony concentrations are less than the corresponding IMAC.

5.1.2 Additional Groundwater Quality Monitoring

Sentinel monitoring wells SMW-1, SWM-3, SMW-4 and NES monitoring well II-9, installed to further delineate groundwater contaminants and for Corrective Action Plan performance monitoring were sampled during the April 2012 monitoring event. The well locations are shown on **Figure 4**. The results of the laboratory analyses for Appendix I volatile organic constituents detected in these groundwater monitoring wells are summarized in **Table 9**, and the complete laboratory reports are included in **Appendix II**. The following provides a brief summary of the analytical results.

- No Appendix I volatile organic constituents were detected at Sentinel monitoring wells SMW-1 and SMW-4.

- 1,1-Dichloroethane and cis-1,2-dichloroethene were detected at sentinel well SMW-3; however, the detected concentrations were below the corresponding 2L Standards.
- 1,1-Dichloroethane, cis-1,2-dichloroethene, and vinyl chloride were detected at NES well II-9. The detected concentrations of 1,1-dichloroethane and vinyl chloride were greater than the corresponding 2L Standards.

5.2 Statistical Results

5.2.1 *Historical*

The monitoring well system for Phase II of the White Street Landfill was upgraded in the winter of 1995 with the addition of four new monitoring wells (II-6, II-7, II-8 and MW-14). Monitoring well II-7B was installed in December 2000, while monitoring wells II-9, II-10, II-11 and II-12 were added in March 2005, as part of a nature and extent study.

5.2.1.1 Descriptive Statistics

The descriptive statistics program calculates the pooled mean, background mean, pooled standard deviation, background standard deviation, rank sum, rank mean and variance for each constituent detected in each well. The descriptive statistics report is included in **Appendix III**.

5.2.1.2 Time vs. Concentration Graphs

This graph displays a plot of the concentration of one parameter for a single well over time. The concentration is plotted along the vertical axis and the sample dates are plotted along the horizontal axis. These graphs are used to visually examine changes in concentration over time for a parameter at a given well. An evaluation of the time vs. concentration plots suggests:

- The time series plots for concentrations of 1,1-dichloroethane in wells II-2 and II-3 suggest an increasing trend in the occurrence of this constituent in these wells.
- The time series plots for the concentration of 1,4-dichlorobenzene in monitoring well II-1 show fluctuating concentrations of 1,4-dichlorobenzene in this well with no discernible trend evident.
- The time series plots for the concentration of benzene in monitoring well II-3 show fluctuating concentrations of benzene in this well with no discernible trend evident.
- The time series plot of the concentrations of cis-1,2-dichloroethene in well II-2 suggests an increasing trend in the reported concentration of this constituent since the September 2004 sampling event.
- A time series plot of the concentrations of tetrachloroethene in monitoring well II-2 shows this parameter has consistently been non-detect in well II-2 prior to the detection reported during the October 2006 groundwater monitoring event which appears to coincide with the promulgation of the new North Carolina SWSL

levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced. Since it was first detected in October 2006, the reported concentrations of tetrachloroethene in monitoring well II-2 are not showing a discernable trend.

- The time series plots for the concentrations of trichloroethene in well II-2 also suggests that the first detection of this constituent in well II-2 appears to coincide with the promulgation of the new North Carolina SWSL levels in 2006 which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced. Since the April 2006 monitoring event, there is no clear trend in the monitoring data.
- The time vs. concentration plots for tetrahydrofuran suggest a decreasing trend in wells II-1, and II-6 with a slight increasing trend in well II-8. The current event represents the first detection of tetrahydrofuran above the NC SWSL in wells II-4 and II-7B and therefore, no trend is discernible.
- The time series plot for concentrations of vinyl chloride in well II-2 does not show a clear trend in the monitoring data. Observed changes appear to be only be the result of the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced.
- The time series plot for arsenic in monitoring well II-8 shows that the current event is the first detection of arsenic in II-8 at a reported concentration above the North Carolina Solid Waste Section Limit (NC SWSL) and therefore, no discernible trend is apparent.
- The time series plots for concentrations of barium in wells II-1, II-3, II-4, II-6, II-8, and II-12 show inconsistent results with no discernable trend. Background well MW-13 exhibits similar fluctuations in detected concentrations as those observed at the down-gradient compliance wells.
- The time vs. concentration plot for chromium in well II-4 suggests fluctuating concentrations of these constituents over time with no discernible trends apparent.
- Time series plots of the concentrations of cobalt in wells II-1, II-3 and II-4 suggests fluctuating concentrations over time, with no obvious consistent trends over time recognized.
- The time series plots for concentrations of copper in well II-4 do not show a clear trend in the monitoring data. Observed changes appear to be only be the result of the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced.
- The time series plot for concentrations of nickel in well II-4 do not show a clear trend in the monitoring data. Observed changes appear to be only be the result of

the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced.

- The time series plots for concentrations of vanadium in wells II-4 and II-7B show inconsistent results with no discernable trend. Background well MW-13 exhibits similar fluctuations in detected concentrations as those observed at the downgradient compliance wells.
- The time series plots for concentrations of zinc in well II-4 show inconsistent results with no discernable trend.

Analytical data from future monitoring events will be used to re-evaluate the trends interpreted from the time series plots. Time series plots are included in **Appendix IV** for all constituents detected at or above their respective SWSL during this monitoring event.

5.2.1.3 Non-Parametric Tolerance Limits Test

In order to analyze the laboratory analytical results for evidence of statistically significant increases (SSIs) over background values, the data distribution of all of the quantified monitored constituents was first analyzed. Due to the large size of the pooled historical results database, the Shapiro-Francia Test of Normality was utilized. This statistical test of data distribution can effectively determine if large data sets are parametrically or non-parametrically distributed.

For all of the analyzed data sets, the data distribution tests indicated a non-parametric distribution likely due to a relatively high percentage of non-detects in the analyzed database even at the 95% Confidence Level. As a result, Non-Parametric Upper Limits Computations were employed in order to calculate the appropriate Statistical Upper Limit for each of the quantified monitored parameters. Non-parametric Tolerance Limits were selected for use in calculation of the statistical Upper Limits. In order to determine if any individual parameter concentration detected during this monitoring event represents a statistically significant increase over the historic background concentrations, once the respective Upper Limit was obtained, the compliance data were compared via an Inter-Well Comparison to the Statistical Upper Limit to determine if an SSI may have occurred.

Tables 4 and 5 provide a summary of the statistical testing results. As indicated in Table 5, the statistical analyses suggest that five inorganic parameters (arsenic, chromium, cobalt, nickel, and vanadium) were detected during this monitoring event at one or more sampling locations at reported concentrations that exceed the corresponding Statistical Upper Limit. The Inter-Well comparisons of the compliance data to the statistical Upper Limits shows that the SSI's for arsenic occurred in monitoring well II-8, for chromium in well II-4, for cobalt in wells II-1, and II-4, and for nickel and vanadium in well II-4. Currently, there are no established 2L Standards for cobalt or vanadium. However, North Carolina has published an IMAC for cobalt set at 1 µg/L, and vanadium set at 0.3 µg/L. The cobalt and vanadium concentrations reported during this event are greater than their corresponding IMAC.

As indicated in Table 4, the statistical analyses suggest that 1,1-dichloroethane, cis-1,2-dichloroethene, and tetrahydrofuran were detected in concentrations that exceed their corresponding statistically computed Upper Limit. The Inter-Well comparisons of the compliance results to the statistical Upper Limits suggest compliance wells II-1, II-2, II-3, II-4, II-6, II-7B, and II-8 contain one or more of the two volatile organic parameters detected at concentrations that suggest a statistically significant increase over the historic background concentrations. The reported concentration of cis-1,2-dichloroethene in monitoring well II-2 which represents an SSI during this monitoring event was detected at a concentration less than the corresponding 2L Standard for this constituent. The reported concentrations of tetrahydrofuran (monitoring wells II-1, II-4, II-6, II-7B, and II-8) all represented SSIs during this monitoring event. Currently there is no corresponding 2L Standard for tetrahydrofuran. Additionally, North Carolina has not published an IMAC for tetrahydrofuran. The non-parametric Tolerance Limit test reports for Appendix I constituents are included in **Appendix V**.

5.3 Hydraulic Conductivity

In-situ hydraulic conductivity tests were performed by BPA Environmental and Associates Inc. (BPA) on wells II-1, II-2, II-3, II-4, II-5 and MW-13 on February 2-5, 1996. The data from these tests yielded hydraulic conductivity values ranging from 0.042 feet/day in II-5 to 0.380 feet/day in II-3. A complete discussion of the test methods and calculations was presented in BPA's February 1996 report "In-Situ Hydraulic Conductivity Testing, White Street Landfill, Greensboro, North Carolina." In situ hydraulic conductivity tests were performed by HDR Engineering, Inc. on monitoring wells II-6, II-7, II-8 and MW-14 in the fall of 1995. The hydraulic conductivity's determined by HDR ranged from 0.221 feet/day in II-6 to 2.353 feet/day in II-8. These data are summarized on **Table 7** and were used to calculate groundwater flow velocities across the site.

5.4 Groundwater Flow Direction and Rate

During the April 2012 sampling event, the static water depths ranged from 7.33 feet to 28.16 feet below the top of well casing on these dates. Groundwater and well casing elevation data are presented in Table 1. A groundwater contour map was constructed using the data collected during April 2012 is presented as **Figure 3**. The groundwater gradient at each well was calculated assuming a constant groundwater gradient along the flow line between groundwater elevation contours adjacent to each well. Groundwater flow lines were drawn through each well based upon the groundwater elevation data collected during this monitoring event. The groundwater elevation data collected during this monitoring event indicates that the groundwater beneath Phase II generally flows toward the northwest, toward Buffalo Creek. This is, in general, consistent with the results from previous monitoring events.

Based on a variation of Darcy's Law, the rate of groundwater movement within the regolith aquifer was calculated at each monitoring well using the following equation:

$$V = \frac{Ki}{N}$$

Where **V** = velocity (ft/day)
 K = hydraulic conductivity (ft/ft)
 i = groundwater gradient (ft/ft)
 N = effective porosity (dimensionless)

Calculated hydraulic conductivity and gradient values and estimated effective porosity values for each well were used in the velocity calculations. The 20 percent effective porosity value is based on porosity and specific yield versus grain size distribution relationships presented in Fetter (1988), and is typical of the types of soils (predominantly silts and sandy silts with some clays) comprising the regolith at the landfill. The calculated groundwater velocities ranged from 0.003 feet/day to 0.225 feet/day and are summarized in **Table 7**.

5.5 Surface Water

The results of the laboratory analyses for Appendix I volatile organic constituents in the surface water samples are summarized in **Tables 8** and **9**. The complete laboratory reports are included in Appendix B.

- Volatile organic compounds chloroform and trichloroethene were detected at estimated (“J” flagged) concentrations. Chloroform was detected at surface water samples location SW-4 while trichloroethene was detected at location SW-3. The concentrations did not exceed the corresponding NCAC 2B standard. Sample location SW-3 is upstream of the facility.
- Volatile organic compound bromodichloromethane was detected at the surface water sample collected from SW-3, upstream of the facility. Currently, there is no corresponding NCAC 2B surface water quality standard for this constituent.
- Inorganic constituent’s arsenic, antimony, barium, chromium, copper, lead, nickel, and zinc were reported at estimated “J” flagged values at one or more surface water sample locations; however, at concentrations below their corresponding NCAC 2B standard.
- Inorganic constituent vanadium was reported at estimated “J” flagged values at one or more sampled surface water sample locations. Currently, there are no corresponding NCAC 2B surface water quality standards for this constituent.

In general, constituent concentrations detected upstream of the facility were greater than concentrations detected at point adjacent to or down-stream of the facility, suggesting that the facility is not the source of the detected constituents.

5.6 Quality Assurance

A qualitative review of the data was performed to verify that the detected concentrations in the laboratory report were of known quality. A formal, quantitative data validation was not performed. Laboratory-assigned data qualifiers were evaluated to verify that rejected or unsupportable data were not included in the dataset. Quality control data provided in the laboratory reports were also reviewed. No rejected or otherwise unacceptable quality data were reported from the laboratory.

A duplicate sample was collected from monitoring well II-2 and was submitted for analysis as "Duplicate II." This sample was analyzed for the Appendix I constituents. No target Appendix I volatile organic compounds were detected in either the duplicate sample or the companion sample labeled "II-2;" therefore, reasonable statistical correlation is suggested. Several target Appendix I inorganic constituents were detected

in the both the duplicate sample and sample “II-2” at similar concentrations; therefore, reasonable statistical precision is suggested.

The majority of monitoring wells in Phase II were sampled using dedicated micro-purge pumps; therefore, no equipment rinse samples were collected for analyses. Trip blank samples accompanied the sample bottles from the time they left the laboratory until they returned. These samples were analyzed for Appendix I volatile organic constituents. No volatile organic constituents were present in the trip blank samples at detectable levels. Laboratory QC samples were analyzed for all constituents included in this sampling event. Arsenic was detected in the laboratory method blank and in certain groundwater samples. Therefore, the reported groundwater analytical results reported for arsenic may be influenced by the source of the arsenic detected in the laboratory method blank. The reported arsenic results were not rejected, but remain suspect, and subject to verification with laboratory data obtained during subsequent monitoring events. The results of the duplicate, trip blank and laboratory QC sample analyses are included in Appendix C.

6. REFERENCES

Fetter, C. W., 1988, Applied Hydrogeology, New York; Macmillian Publishing Company, 1988, 592 pp.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2L, Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina, Sections .0100, .0200, and .0300 (November 8, 1993); from the Environmental Management Commission Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2B, Classifications and Water Quality Standards Applicable to the Surface Waters of North Carolina, Section .0200 (April 1, 1991); from the Environmental Management Commission, Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Solid Waste Management, subchapter 13B, Solid Waste Management, Section .1600 (January 1, 1997).

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Type	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
				April 2012		May 2011	
				DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	Compliance	692.34	26.50	15.00	677.34	15.13	677.21
II-2	Compliance	690.05	32.24	19.64	670.41	19.37	670.68
II-3	Compliance	688.05	32.45	17.30	670.75	16.92	671.13
II-4	Compliance	703.27	28.72	9.73	693.54	10.33	692.94
II-5	Compliance	714.31	15.96	7.33	706.98	6.91	707.40
II-6	Compliance	698.47	20.57	10.92	687.55	10.87	687.60
II-7	Compliance	684.08	27.54	13.74	670.34	13.69	670.39
II-7B	NES	687.21	101.50	17.16	670.05	17.04	670.17
II-8	Compliance	707.09	34.95	9.38	697.71	9.19	697.90
II-9	NES	697.01	25.10	10.75	686.26	NG	--
II-10	NES	703.90	23.40	NG	--	NG	--
II-11	NES	701.77	26.60	NG	--	NG	--
II-12	Compliance	700.97	22.90	9.91	691.06	10.06	690.91
MW-13	Compliance	741.30	33.78	19.90	721.40	18.91	722.39
MW-14	Compliance	765.30	34.28	28.16	737.14	27.13	738.17

TOC = Top of Casing. Elevations determined by survey: HDR Engineering, Inc.

Depth of well data as reported by BPA Environmental & Engineering, Inc.

DTGW = Depth to Groundwater

Elevation = calculated groundwater elevation

NG = Not Gauged

TABLE 2
GROUNDWATER ANALYTICAL RESULTS SUMMARY - APRIL 2012
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations												NC SWSL (ug/L)	NCAC 2L Std. (ug/L)	
	Compliance Wells										Background				
	II-1 (ug/L)	II-2 (ug/L)	II-3 (ug/L)	II-4 (ug/L)	II-5 (ug/L)	II-6 (ug/L)	II-7 (ug/L)	II-7B (ug/L)	II-8 (ug/L)	II-12 (ug/L)	DUP II (ug/L)	MW-13 (ug/L)	MW-14 (ug/L)		
1,1-Dichloroethane	1.2 J	9.3	12	1.7 J	ND	ND	0.65 J	0.64 J	0.66 J	ND	12	ND	ND	5	6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.42 J	ND	ND	5	7
1,4-Dichlorobenzene	4.6	0.55 J	ND	ND	ND	0.51 J	0.42 J	ND	0.52 J	ND	0.64 J	ND	ND	1	6
2-Butanone	ND	ND	ND	ND	ND	ND	ND	17 J	ND	ND	ND	ND	ND	100	4,000
Acetone	ND	5.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	6,000
Benzene	0.91 J	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
Chlorobenzene	2.0 J	0.51 J	ND	ND	ND	0.71 J	ND	ND	2.5 J	ND	0.60 J	ND	ND	3	50
cis 1,2-dichloroethene	2.1 J	17	0.66 J	ND	ND	ND	0.79 J	0.58 J	ND	ND	20	ND	ND	5	70
Tetrachloroethene	ND	2.2	ND	ND	ND	ND	ND	0.41 J	ND	ND	2.4	ND	ND	1	0.7
Tetrahydrofuran	4.4	ND	ND	2.4	ND	4.0	ND	130	5.5	ND	ND	ND	ND	ne	ns
Trichloroethene	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	1	3
Trichlorofluoromethane	ND	0.84 J	ND	ND	ND	ND	ND	ND	ND	ND	0.75 J	ND	ND	1	2,000
Vinyl Chloride	0.52 J	2.1	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	1	0.03

ND = compound not detected

J = Parameters are estimated values between the detection limit and the NC SWSL.

ns = no corresponding NCAC 2L groundwater quality standard

ne = no corresponding NC SWSL

NC SWSL= North Carolina Solid Waste Section Limit

NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

NC IMAC = 15A NCAC 2L Interim Maximum Allowable Concentration (IMAC)

Quantities highlighted in orange were detected above the 2L standards

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY - APRIL 2012
DETECTED INORGANIC CONSTITUENTS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations												NC SWSL	NCAC 2L	NC IMAC		
	Compliance Wells											Background					
	II-1 (ug/L)	II-2 (ug/L)	II-3 (ug/L)	II-4 (ug/L)	II-5 (ug/L)	II-6 (ug/L)	II-7 (ug/L)	II-7B (ug/L)	II-8 (ug/L)	II-12 (ug/L)	DUP II (ug/L)	MW-13 (ug/L)	MW-14 (ug/L)				
Antimony	0.527 J	ND	0.862 J	ND	0.232 J	ND	ND	0.235 J	ND	ND	ND	ND	ND	6	ns	1.4	
Arsenic	3.06 JB	ND	ND	ND	6.84 JB	ND	ND	6.24 JB	10.1 B	ND	ND	3.73 JB	3.86 JB	10	10		
Barium	329	80.1 J	198	1030	89.6 J	105	22.4 J	9.45 J	123	396	81.7 J	112	14.1 J	100	700		
Chromium	6.80 J	2.15 J	3.16 J	42.4	2.42 J	1.22 J	1.12 J	ND	2.71 J	1.62 J	2.10 J	ND	3.75 J	10	10		
Cobalt	23.1	ND	14.1	37.5	7.28 J	6.23 J	ND	ND	1.77 J	6.20 J	ND	ND	ND	10	ns	1	
Copper	6.67 J	ND	2.64 J	169	1.75 J	2.92 J	ND	2.02 J	ND	ND	ND	ND	ND	10	1000		
Lead	3.71 J	ND	2.28 J	8.57 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	15		
Nickel	16.7 J	ND	11.0 J	54.9	5.40 J	9.09 J	ND	ND	22.7 J	8.58 J	ND	ND	ND	50	100		
Silver	2.68 J	ND	ND	5.13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	20		
Vanadium	ND	1.93 J	2.72 J	217	3.04 J	ND	ND	8.14 J	ND	ND	1.96 J	3.88 J	ND	25	ns	0.3	
Zinc	3.95 J	ND	5.80 J	202	ND	ND	ND	ND	ND	ND	ND	4.48 J	ND	10	1000		

ND = compound not detected

JB = The analyte was detected in the associated method blank

J = Parameters are estimated values between the detection limit and the NC SWSL.

ns = no corresponding NCAC 2L groundwater quality standard

NC SWSL= North Carolina Solid Waste Section Limit

NCAC 2L std = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

NC IMAC = 15A NCAC 2L Interim Maximum Allowable Concentration (IMAC)

Quantities highlighted in orange were detected above the 2L standards

Blue highlights indicate a measurement higher than the North Carolina Groundwater Protection Standard

TABLE 4
STATISTICAL TEST RESULTS SUMMARY - APRIL 2012
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations													
	II-1		II-2		II-3		II-4		II-5		II-6		II-7	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
1,1-Dichloroethane	No	No	Yes	Yes	Yes	Yes	No	No	PND	PND	PND	PND	No	No
1,4-Dichlorobenzene	No	No	No	No	PND	PND	PND	PND	PND	PND	No	No	No	No
Benzene	No	No	PND	PND	No	No	PND	PND	PND	PND	PND	PND	PND	PND
cis 1,2-Dichloroethene	No	No	Yes	Yes	No	No	PND	PND	PND	PND	PND	PND	No	No
Tetrachloroethene	PND	PND	No	No	PND	PND								
Tetrahydrofuran	Yes	Yes	PND	PND	PND	PND	Yes	Yes	PND	PND	Yes	Yes	PND	PND
Trichloroethene	PND	PND	No	No	PND	PND								
Vinyl Chloride	PND	PND	No	No	PND	PND								

Compound	Sample Locations					
	II-7B		II-8		II-12	
	WRS	TL	WRS	TL	WRS	TL
1,1-Dichloroethane	No	No	No	No	PND	PND
1,4-Dichlorobenzene	PND	PND	No	No	PND	PND
Benzene	PND	PND	PND	PND	PND	PND
cis 1,2-Dichloroethene	No	No	PND	PND	PND	PND
Tetrachloroethene	No	No	PND	PND	PND	PND
Tetrahydrofuran	Yes	Yes	Yes	Yes	PND	PND
Trichloroethene	PND	PND	PND	PND	PND	PND
Vinyl Chloride	PND	PND	PND	PND	PND	PND

WRS = Wilcoxon Rank Sum Test Method

TL = Non-parametric tolerance limit test method

PND = Parameter not detected during the current water quality monitoring event

yes = The test suggests the specified well has statistically elevated levels of the parameter

No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 5
STATISTICAL TEST RESULTS SUMMARY - APRIL 2012
APPENDIX I - INORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations													
	II-1		II-2		II-3		II-4		II-5		II-6		II-7	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Arsenic	No	No	PND	PND	PND	PND	PND	PND	No	No	PND	PND	PND	PND
Barium	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Chromium	No	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No
Cobalt	Yes	Yes	PND	PND	No	No	Yes	Yes	No	No	No	No	PND	PND
Copper	No	No	PND	PND	No	No	No	No	No	No	No	No	PND	PND
Nickel	No	No	PND	PND	No	No	Yes	Yes	No	No	No	No	PND	PND
Vanadium	PND	PND	No	No	No	No	Yes	Yes	No	No	PND	PND	PND	PND
Zinc	No	No	PND	PND	No	No	No	No	PND	PND	PND	PND	PND	PND

Compound	Sample Locations					
	II-7B		II-8		II-12	
	WRS	TL	WRS	TL	WRS	TL
Arsenic	No	No	Yes	Yes	PND	PND
Barium	No	No	No	No	No	No
Chromium	PND	PND	No	No	No	No
Cobalt	PND	PND	PND	PND	No	No
Copper	No	No	PND	PND	PND	PND
Nickel	PND	PND	No	No	No	No
Vanadium	No	No	PND	PND	PND	PND
Zinc	PND	PND	PND	PND	PND	PND

WRS = Wilcoxon Rank Sum Test Method

TL = Non-parametric tolerance limit test method

PND = Parameter not detected during the current water quality monitoring event

yes = The test suggests the specified well has statistically elevated levels of the parameter

No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 6
GROUNDWATER VELOCITY DATA - APRIL 2012
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Hydraulic Conductivity (K = feet/day)	Porosity (n = %)	Gradient (I = feet/feet)	Groundwater Velocity (V= feet/day)
II-1	0.119	0.2	0.027	0.016
II-2	0.329	0.2	0.019	0.031
II-3	0.380	0.2	0.036	0.069
II-4	0.200	0.2	0.025	0.025
II-5	0.042	0.2	0.013	0.003
II-6	0.221	0.2	0.016	0.017
II-7	1.077	0.2	0.030	0.160
II-8	2.353	0.2	0.019	0.225
MW-14	0.740	0.2	0.016	0.058

Notes: Hydraulic Conductivity's from slug test data by BPA Environmental & Engineering Inc.
and HDR Engineering

Porosity values from published literature, based on soil types

Gradients are based upon groundwater elevation data from this monitoring event

Velocity calculated using $V = KI/n$

NA = Not Applicable, deeper aquifer monitoring well

TABLE 7
SURFACE WATER ANALYTICAL RESULTS SUMMARY - APRIL 2012
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Constituent	Sample Locations					15A NCAC 2B Standards*	NC SWSL		
	Up Stream			Down Stream					
	SW-1 (ug/L)	SW-2 (ug/L)	SW-3 (ug/L)	SW-4 (ug/L)	SW-5 (ug/L)				
Bromodichloromethane	ND	ND	0.67 J	ND	ND	ns	1		
Chloroform	ND	ND	ND	0.45 J	ND	5.6	5		
Trichloroethene	ND	ND	0.69 J	ND	ND	2.5	1		

NC SWSL = North Carolina Solid Waste Section Limit

ND = Parameter not detected

* = Title 15A NCAC 2B Standards for Class C, WS-V surface water

J = Estimated value between the detection limit and the NC SWSL.

ns = Title 15A NCAC 2B provides no established standard for these constituents

Orange highlights indicate a measurement higher than 2B standards.

TABLE 8
SURFACE WATER ANALYTICAL RESULTS SUMMARY - APRIL 2012
APPENDIX I - INORGANIC PARAMETERS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					15A NCAC 2B Standards*	NC SWSL ($\mu\text{g/l}$)
	SW-1 up-stream ($\mu\text{g/L}$)	SW-2 up-stream ($\mu\text{g/L}$)	SW-3 up-stream ($\mu\text{g/L}$)	SW-4 down-stream ($\mu\text{g/L}$)	SW-5 down-stream ($\mu\text{g/L}$)		
Arsenic	ND	ND	3.13 J	ND	ND	10	10
Antimony	0.279 J	ND	0.340 J	0.308 J	0.284 J	5.6	6
Barium	43.7 J	48.4 J	23.5 J	33.7 J	33.7 J	1000	100
Chromium	1.11 J	ND	ND	ND	ND	50**	10
Copper	2.72 J	ND	5.01 J	4.36 J	4.11 J	7**	10
Lead	ND	ND	2.38 J	ND	ND	25**	10
Nickel	ND	ND	2.56 J	2.00 J	2.23 J	25	50
Vanadium	2.33 J	ND	1.48 J	1.60 J	1.44 J	ns	25
Zinc	5.98 J	ND	32.0	21.6	22.9	50**	10

NC SWSL = North Carolina Solid Waste Section Limit

ND = Analyte not detected

* = Title 15A NCAC 2B Standards for Class C, WS-V surface water

** = Freshwater Standard

J = Estimated value between the detection limit and the NC SWSL.

ns = Title 15A NCAC 2B provides no established standard for these constituents

Orange highlights indicate a measurement higher than 2B standards.

TABLE 9
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DETECTED VOLATILE ORGANIC COMPOUNDS
SENTINEL MONITORING WELLS AND SELECT NES WELLS
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well ID Date Collected units	Sample Locations				NC SWSL (ug/L)	NCAC 2L Std. (ug/L)
	Sentinel Monitoring Wells			NES Well		
	SMW-1 4/19/12 (ug/L)	SMW-3 4/19/12 (ug/L)	SMW-4 4/19/12 (ug/L)	II-9 4/19/12 (ug/L)		
1,1-Dichloroethane	ND	5.4	ND	6.9	5	6
cis 1,2-Dichloroethene	ND	12	ND	16	5	70
Vinyl Chloride	ND	ND	ND	1.0	1	0.03

ND = compound not detected

J = Parameters are estimated values between the detection limit and the NC SWSL.

ns = no corresponding NCAC 2L groundwater quality standard

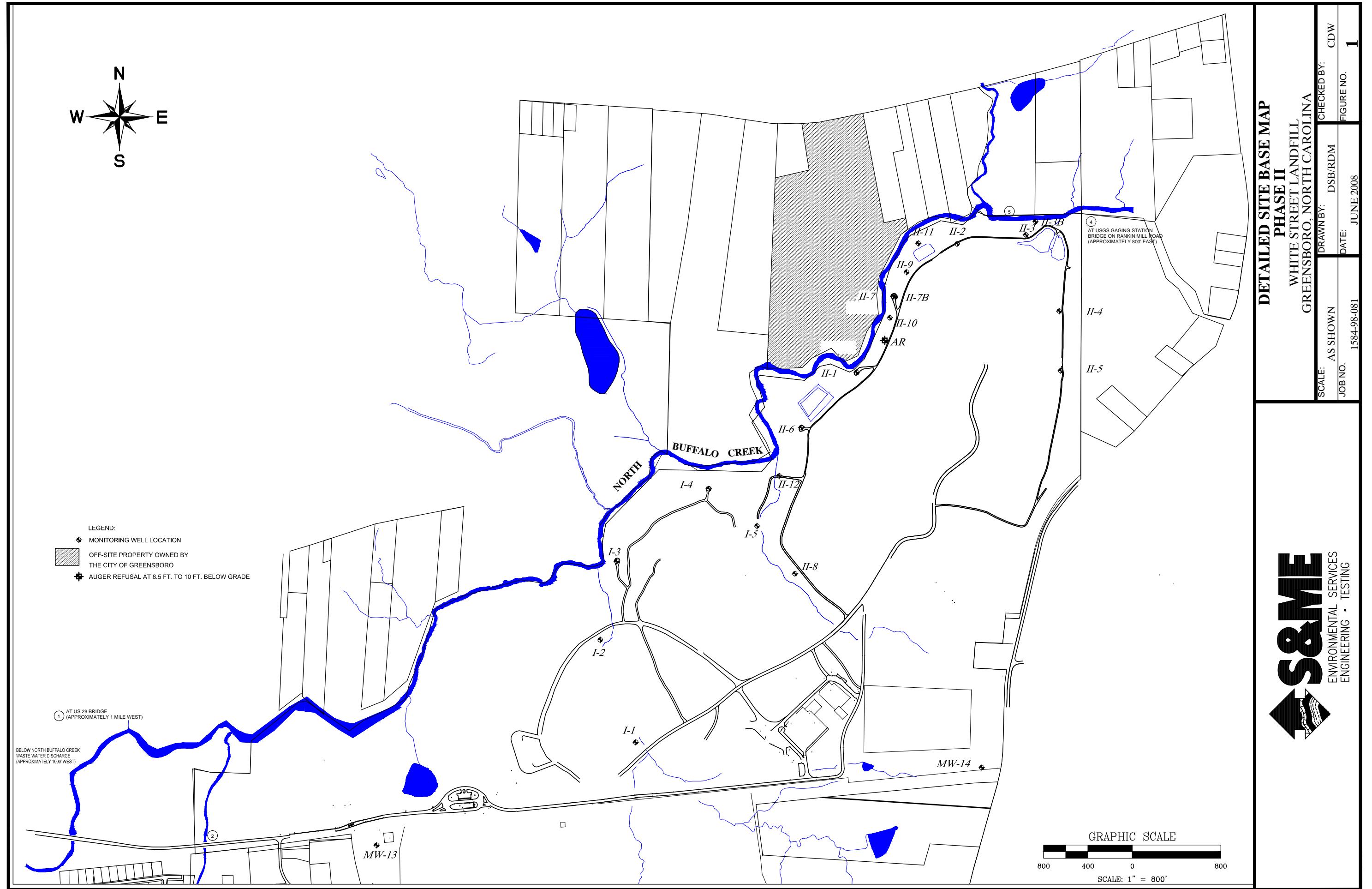
NC SWSL= North Carolina Solid Waste Section Limit (minimum detection limits)

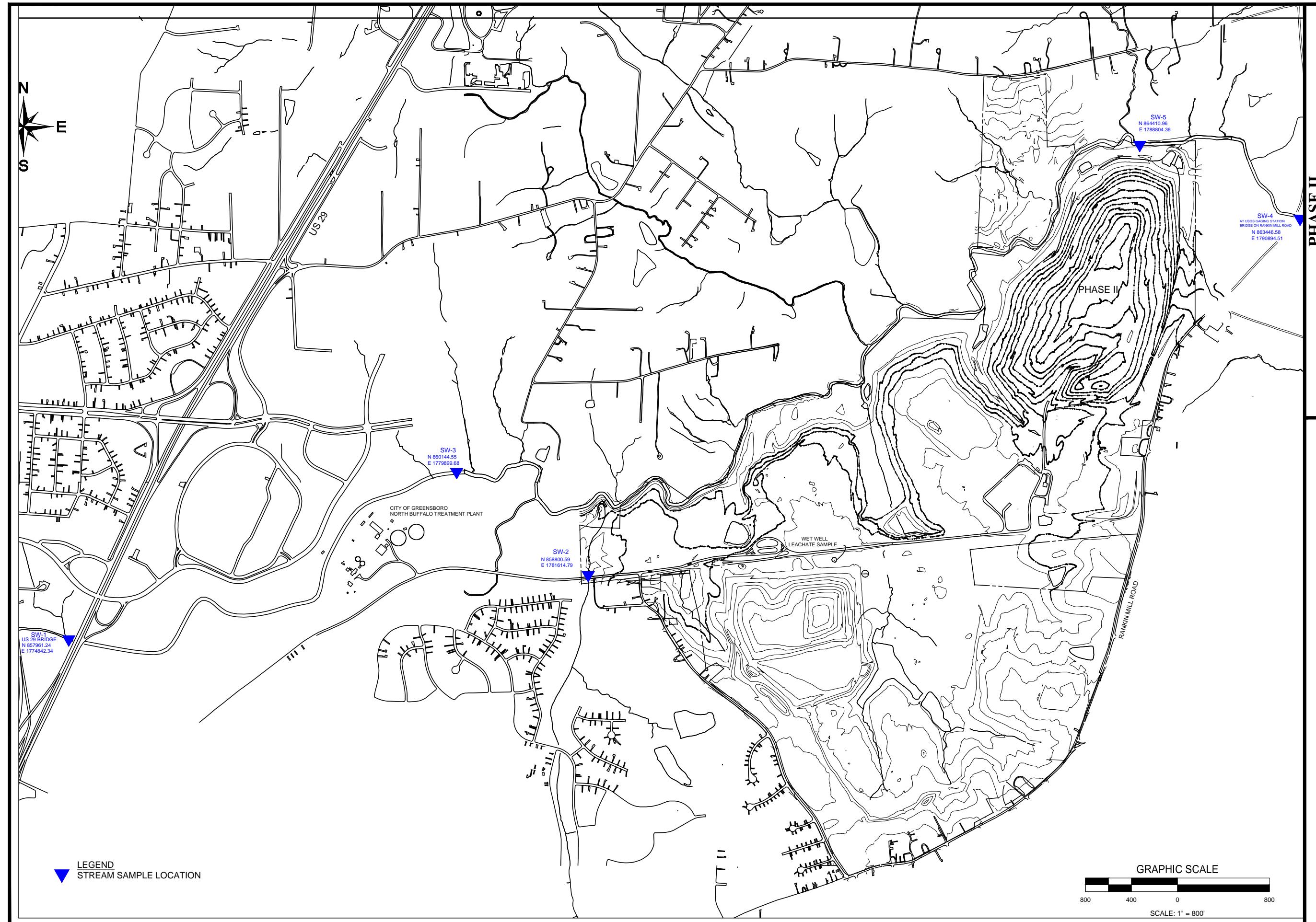
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater

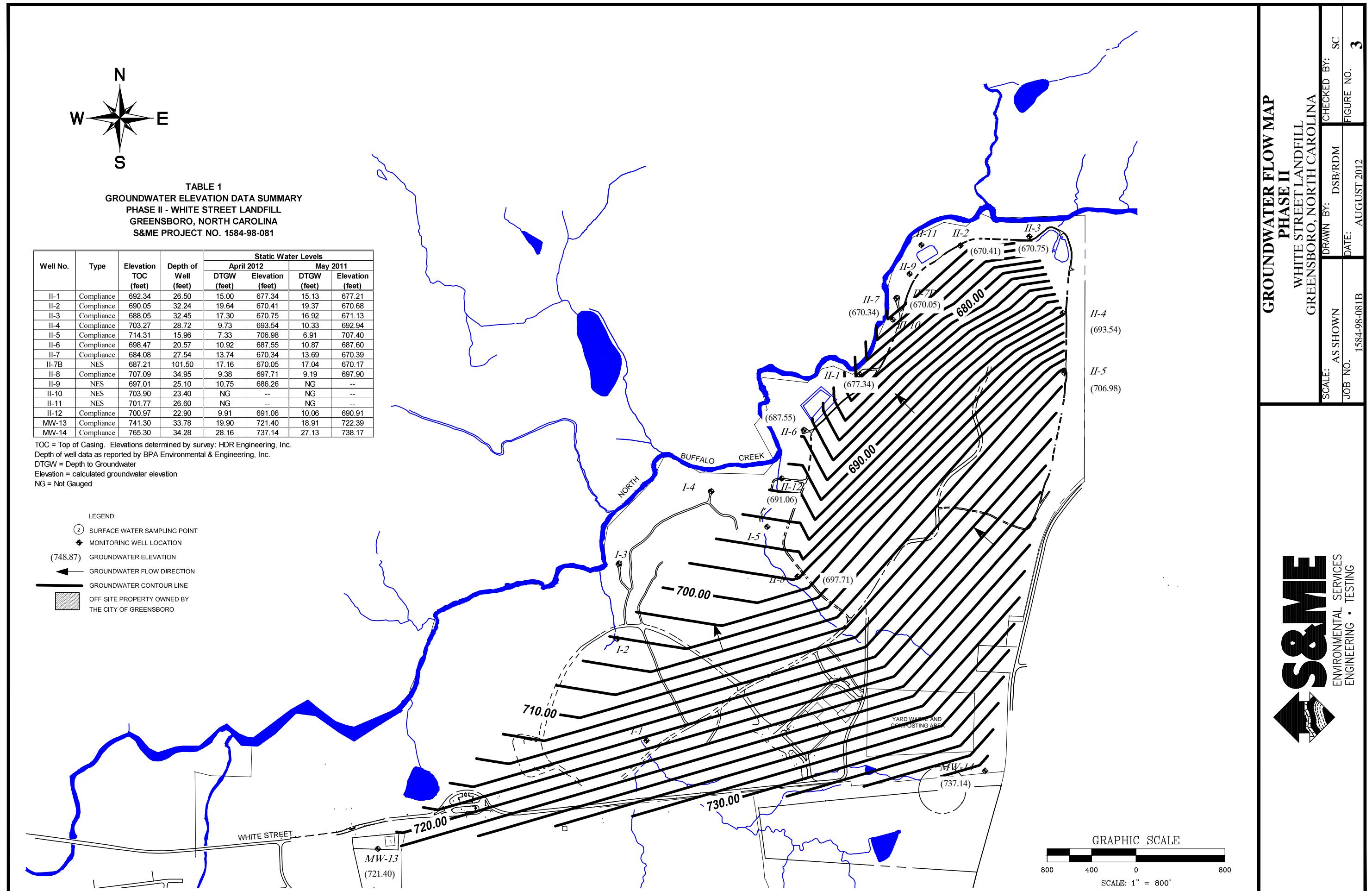
Quantities highlighted in orange were detected above the 2L standards

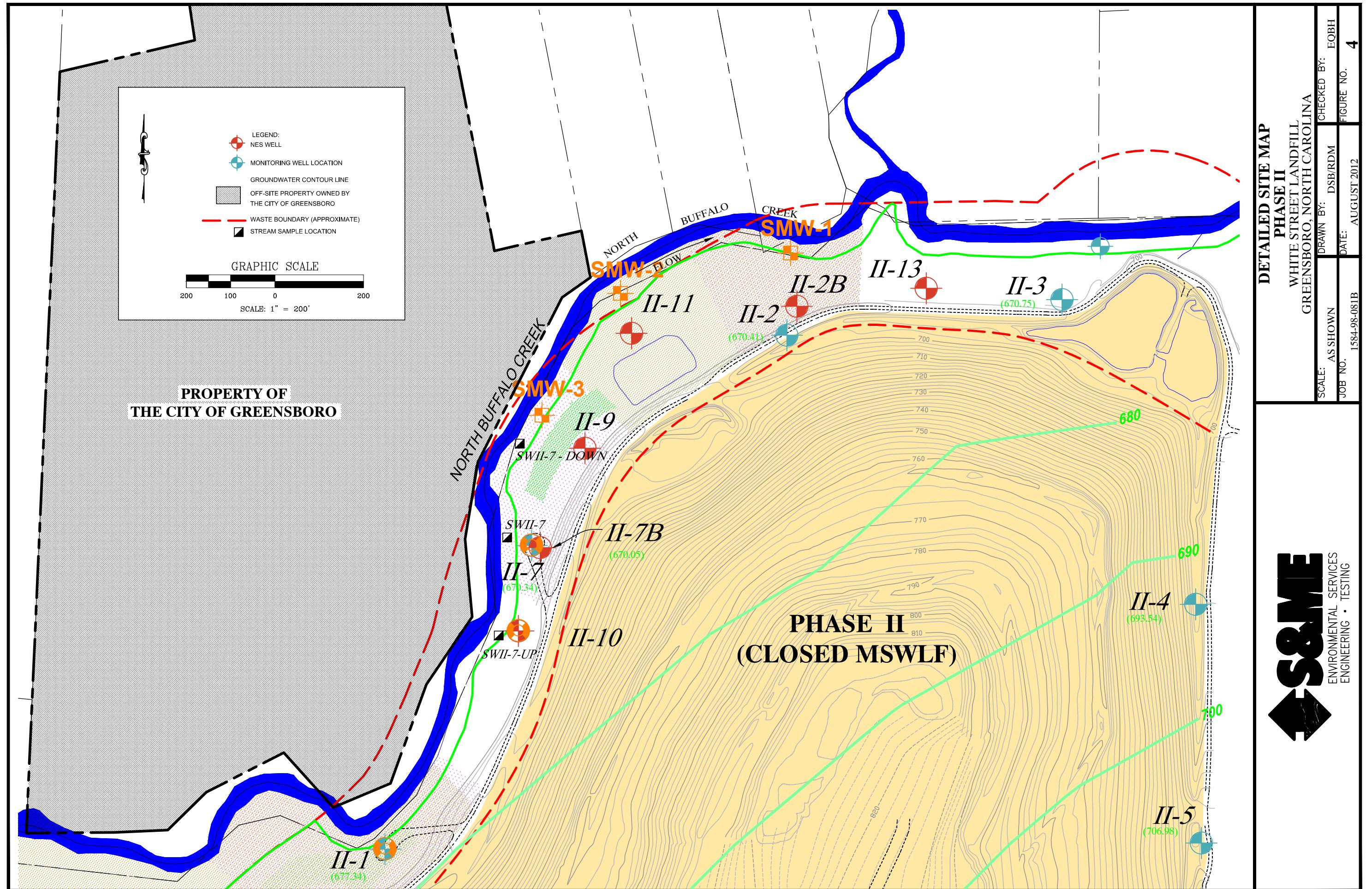
NA = Parameter not analyzed during the specified event

FIGURES









APPENDIX I

Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill		Purge Date:	Tuesday, April 17, 2012	
Project No.:	1584-98-081		Purge Time:		
Source Well:	4103-II1		Sample Date:	Tuesday, April 17, 2012	
Locked?:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>	Sample Time:	1600	
Sampled By:	Gary Simcox		Weather:	Sunny	
			Air Temp:	75 °F	

Water Level & Well Data

Depth to water from measuring point:	15.00	feet
Depth to well bottom from measuring point:	25.00	feet
Height of water column:	10.00	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 1515 Stop 1555
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 2.5 sec. Off: 27.5 sec.	Start 1555 Stop 1600
	Pressure: 18 psi	

Volume of water in well

2" well:

height: $10 \times .163 =$ _____ 1.63

Volume of water removed 4.0 **gallons** x **liters**

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1555	4/17/2012	19.33	7.25	2,470	97	0.62	6.24	15.84
		* C	units	mS/cm	mV	mg/L	NTU		

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, April 17, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II2	Sample Date:	Tuesday, April 17, 2012
Locked?:	Yes: <input checked="" type="checkbox"/>	Sample Time:	1245
Sampled By:	Gary Simcox	Weather:	Sunny
		Air Temp:	75 °F

Water Level & Well Data

Depth to water from measuring point:	19.64	feet
Depth to well bottom from measuring point:	29.00	feet
Height of water column:	9.36	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	<u>Bladder Pump</u>	Purge Time		
Sample Method	<u>Bladder Pump</u>	Start	<u>1210</u>	
Purge Rate	<u>100</u>	ml/min	Stop	<u>1240</u>
Control Settings	On: <u>3.0</u> sec.	Sample Collection Time		
	Off: <u>27.0</u> sec.	Start	<u>1240</u>	
	Pressure: <u>psi</u>	Stop	<u>1245</u>	
Note: Duplicate II taken at this location. (0800 hr)				

Note: Duplicate II taken at this location. (0800 hrs)

Volume of water in well

2" well:

height: $9.36 \times .163 =$ 1.52568

Volume of water removed

4.0 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings

1240	4/17/2012	19.05	7.90	0.938	16	2.34	4.24	20.24
*	C	units	mS/cm		mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill		Purge Date:	Tuesday, April 17, 2012	
Project No.:	1584-98-081		Purge Time:		
Source Well:	4103-II3		Sample Date:	Tuesday, April 17, 2012	
Locked?:	Yes:	<input checked="" type="checkbox"/>	No:		
Sampled By:	Gary Simcox				
			Weather:	Sunny	
			Air Temp:	675 °F	

Water Level & Well Data

Depth to water from measuring point:	17.30	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	12.70	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 1100 Stop 1145
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 3.0 sec. Off: 27.0 sec.	Start 1145 Stop 1150
	Pressure: 20 psi	

Volume of water in well

$$\text{height: } 12.7 \times .163 = 2.0701$$

Volume of water removed 4.0 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1145	4/17/2012	24.35	6.58	0.424	154	1.87	12.59	17.54
	*	C	units	mS/cm		mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, April 17, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II4	Sample Date:	Tuesday, April 17, 2012
Locked?:	Yes: <input checked="" type="checkbox"/>	Sample Time:	1040
Sampled By:	Gary Simcox	Weather:	P/Cloudy
		Air Temp:	65 °F

Water Level & Well Data

Depth to water from measuring point:	9.73	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	20.27	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time			
Sample Method	Bladder Pump	Start	930	Stop	1035
Purge Rate	100 ml/min	Sample Collection Time			
Control Settings	On: 3.5 sec.	Start	1035	Stop	1040
	Off: 26.5 sec.				
	Pressure: 26 psi				

Volume of water in well

2" well:
height: 20.27 x .163 = 3.30401

Volume of water removed 7.0 gallons _____ liters

Was well purged dry Yes _____ No

Field Analyses *Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
930	4/17/2012							
935	4/17/2012	18.40	7.17	0.738	206	3.80	12.91	10.07
940	4/17/2012	17.74	7.14	0.774	213	3.74	42.60	10.06
945	4/17/2012	17.65	7.13	0.791	217	3.37	37.60	10.02
950	4/17/2012	17.55	7.11	0.780	217	3.03	42.20	10.00
955	4/17/2012	17.46	7.09	0.773	217	2.68	44.10	10.04
1000	4/17/2012	17.30	7.08	0.764	219	2.67	51.50	10.02
1005	4/17/2012	17.38	7.06	0.759	226	1.80	77.00	10.04
1010	4/17/2012	17.21	7.04	0.762	226	1.29	127.00	10.06
1015	4/17/2012	17.05	7.03	0.764	229	1.16	162.00	10.05
1020	4/17/2012	17.39	7.01	0.784	229	1.19	152.00	10.02
1025	4/17/2012	18.80	6.98	0.779	227	0.84	176.00	10.03
1030	4/17/2012	18.91	6.99	0.785	228	0.82	164.00	10.05
1035	4/17/2012	18.75	6.98	0.785	227	0.88	179.00	10.06

Final Readings	1035	4/17/2012	18.75	6.98	0.785	227	0.88	179.00	10.06
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill		Purge Date:	Tuesday, April 17, 2012	
Project No.:	1584-98-081		Purge Time:		
Source Well:	4103-II5		Sample Date:	Tuesday, April 17, 2012	
Locked?:	Yes:	<input checked="" type="checkbox"/>	No:	855	
Sampled By:	Gary Simcox		Weather:	P/Cloudy	
			Air Temp:	65 *F	

Water Level & Well Data

Depth to water from measuring point:	7.33	feet
Depth to well bottom from measuring point:	16.00	feet
Height of water column:	8.67	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 815 Stop 850
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 3.0 sec. Off: 27.0 sec.	Start 850 Stop 855
	Pressure: 15 psi	

Volume of water in well

$$\text{height: } 8.67 \times .163 = 1.41321$$

Volume of water removed 4.0 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	850	4/17/2012	16.75	7.73	0.380	153	3.54	10.16	7.63
	*	C	units	mS/cm		mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, April 18, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II6	Sample Date:	Wednesday, April 18, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	850
Sampled By:	Gary Simcox	Weather:	Cloudy/Rain
		Air Temp:	50 *F

Water Level & Well Data

Depth to water from measuring point:	10.92	feet
Depth to well bottom from measuring point:	17.00	feet
Height of water column:	6.08	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 815 Stop 845
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 3.0 sec. Off: 27.0 sec.	Start 845 Stop 850
	Pressure: 16 psi	

Volume of water in well

2" well:
height: $6.08 \times .163 =$ 0.99104

Volume of water removed 4.0 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	845	4/18/2012	13.72	7.46	0.534	194	3.76	5.90	11.65
	*	C	units	mS/cm		mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, April 17, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II7b	Sample Date:	Tuesday, April 17, 2012
Locked?:	Yes: <input checked="" type="checkbox"/>	Sample Time:	1405
Sampled By:	Gary Simcox	Weather:	Sunny
		Air Temp:	75 °F

Water Level & Well Data

Depth to water from measuring point:	17.16	feet
Depth to well bottom from measuring point:	101.00	feet
Height of water column:	83.84	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 1325 Stop 1400
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 2.5 sec. Off: 27.5 sec.	Start 1400 Stop 1405
	Pressure: 52 psi	

Volume of water in well

$$\text{height: } 83.84 \times .163 = 13.66592$$

Volume of water removed **4.0** **gallons** **liters** **x**

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1400	4/17/2012	21.74	12.21	0.489	-28	0.90	3.44	19.70
	*	C	units	mS/cm		mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, April 17, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II7	Sample Date:	Tuesday, April 17, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	1455
Sampled By:	Gary Simcox	Weather:	Sunny
		Air Temp:	75 °F

Water Level & Well Data

Depth to water from measuring point:	13.74	feet
Depth to well bottom from measuring point:	27.00	feet
Height of water column:	13.26	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	<u>Blader Pump</u>	Purge Time	
Sample Method	<u>Blader Pump</u>	Start	<u>1420</u>
Purge Rate	<u>100</u>	Stop	<u>1450</u>
Control Settings	On: <u>3.0</u> sec.	Sample Collection Time	
	Off: <u>27.0</u> sec.	Start	<u>1450</u>
	Pressure: <u>21</u> psi	Stop	<u>1455</u>

Volume of water in well

2" well:
height: $13.26 \times .163 =$ 2.16138

Volume of water removed 4.0 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1450	4/17/2012	24.72	6.20	0.272	258	2.91	4.12	13.98
	*C	units	mS/cm	mV	mg/L	NTU			

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, April 18, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II8	Sample Date:	Wednesday, April 18, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	955
Sampled By:	Gary Simcox	Weather:	Cloudy/Rain
		Air Temp:	50 °F

Water Level & Well Data

Depth to water from measuring point:	9.38	feet
Depth to well bottom from measuring point:	32.50	feet
Height of water column:	23.12	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Blader Pump	Purge Time
Sample Method	Blader Pump	Start 915 Stop 950
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 3.5 sec. Off: 26.5 sec.	Start 950 € 955
	Pressure: 30 psi	

Volume of water in well

2" well:

height: $23.12 \times .163 =$ 3.76856

Volume of water removed _____ gallons _____ liters _____ x _____

Was well purged dry Yes _____ No _____ x

Field Analyses

*Stabilization Parameters

Final Readings	950	4/18/2012	14.18	7.33	2.850	90	1.31	4.45	9.60
	*	C	units	mS/cm	mV	mg/L	NTU		

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, April 18, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II12	Sample Date:	Wednesday, April 18, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	1055
Sampled By:	Gary Simcox	Weather:	Cloudy/Rain
		Air Temp:	50 *F

Water Level & Well Data

Depth to water from measuring point:	9.91	feet
Depth to well bottom from measuring point:	22.80	feet
Height of water column:	12.89	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	<u>Peristaltic Pump</u>	Purge Time	
Sample Method	<u>Peristaltic Pump</u>	Start	<u>1015</u>
Purge Rate	<u>100</u>	Stop	<u>1050</u>
Control Settings	On: _____ sec.	Sample Collection Time	
	Off: _____ sec.	Start	<u>1050</u>
	Pressure: _____ psi	Stop	<u>1055</u>

Volume of water in well

2" well:
height: $12.89 \times .163 =$ 2.10107

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1050	4/18/2012	14.12	8.02	0.767	-42	0.68	4.19	10.32
	*	C	units	mS/cm	mV	mg/L	NTU		

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill		Purge Date:	Wednesday, April 18, 2012	
Project No.:	1584-98-081		Purge Time:		
Source Well:	4103-MW13		Sample Date:	Wednesday, April 18, 2012	
Locked?:	Yes:	<input checked="" type="checkbox"/>	No:		
Sampled By:	Gary Simcox				
			Sample Time:	1345	
			Weather:	Cloudy/Shower	
			Air Temp:	55 °F	

Water Level & Well Data

Depth to water from measuring point:	19.90	feet
Depth to well bottom from measuring point:	33.00	feet
Height of water column:	13.10	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 1300 Stop 1340
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 3.0 sec. Off: 27.0 sec.	Start 1340 Stop 1345
	Pressure: psi	

Volume of water in well

height: $13.1 \times .163 =$ 2.1353

Volume of water removed **4.0** **gallons** _____ **liters** _____ **x**

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1340	4/18/2012	14.07	7.83	0.416	171	4.75	4.28	20.43
	*	C	units	mS/cm		mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, April 18, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-MW14	Sample Date:	Wednesday, April 18, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	1220
Sampled By:	Gary Simcox	Weather:	Cloudy/Rain
		Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	28.16	feet
Depth to well bottom from measuring point:	34.00	feet
Height of water column:	5.84	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Bladder Pump	Purge Time
Sample Method	Bladder Pump	Start 1135 Stop 1215
Purge Rate	100 ml/min	Sample Collection Time
Control Settings	On: 4.0 sec. Off: 26.0 sec. Pressure: 28 psi	Start 1215 Stop 1220

Volume of water in well

$$2'' \text{ well:} \quad \text{height: } 5.84 \times .163 = 0.95192$$

Volume of water removed **4.0** **gallons** **x** **liters**

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1215	4/18/12	15.59	6.81	0.065	240	4.37	5.57	28.26
	*	C	units	mS/cm	mV	mg/L	NTU		

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Thursday, April 19, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-9	Sample Date:	Thursday, April 19, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	1440
Sampled By:	Michael Cook	Weather:	Partly Cloudy
		Air Temp:	70 F

Water Level & Well Data

Depth to water from measuring point:	10.75	feet
Depth to well bottom from measuring point:	25.00	feet
Height of water column:	14.25	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	<u>Pump (Peristaltic)</u>	Purge Time
Sample Method	<u>Pump (Peristaltic)</u>	Start <u>1405</u> Stop <u>1440</u>
Purge Rate	< 100	ml/min
Control Settings	On: <u>x</u> sec.	Sample Collection Time
	Off: <u>x</u> sec.	Start <u>1440</u> Stop <u>1444</u>
	Pressure: <u>x</u> psi	

Volume of water in well

2" well

height: $14.25 \times .163 =$ 2.3228

Volume of water removed 26.5 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings **1440** **4/19/2021** **14.65** **5.93** **0.469** **151** **0.72** **4.30** **11.95**

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Thursday, April 19, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	SMW-1	Sample Date:	Thursday, April 19, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	1610
Sampled By:	Michael Cook	Weather:	Ovewrcast
		Air Temp:	65 °F

Water Level & Well Data

Depth to water from measuring point:	9.88	feet
Depth to well bottom from measuring point:	18.40	feet
Height of water column:	8.52	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	Peristaltic Pump	Purge Time
Sample Method	Peristaltic Pump	Start 1530 Stop 1605
Purge Rate	< 100 ml/min	Sample Collection Time
Control Settings	On: _____ sec. Off: _____ sec. Pressure: _____ psi	Start 1608 Stop 1612

Volume of water in well

height: $8.52 \times .163 =$ 1.3888

Volume of water removed **15.8** **gallons** **liters** **x**

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings **1605** **4/19/2012** **13.81** **4.66** **144** **162** **0.73** **5.50** **10.84**

GROUNDWATER SAMPLING FIELD DATA

Location: WhiteStreet Landfill
Project No.: 1584-98-081
Source Well: SMW-3

Locked?: Yes: x No: _____
Sampled By: Michael Cook

Purge Date: Thursday, April 19, 2012
Purge Time:
Sample Date: Thursday, April 19, 2012
Sample Time: 1355
Weather: Overcast
Air Temp: 65 *F

Water Level & Well Data

Depth to water from measuring point:	9.93	feet
Depth to well bottom from measuring point:	25.00	feet
Height of water column:	15.07	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	<u>Peristaltic Pump</u>
Sample Method	<u>Peristaltic Pump</u>
Purge Rate	< 100
Control Settings	On: _____ sec.
	Off: _____ sec.
	Pressure: _____ psi

Purge Time
Start 1315 Stop 1350

Sample Collection Time
Start 1350 Stop 1355

Volume of water in well

2" well:

height: $15.07 \times .163 =$ 2.4564

Volume of water removed

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings

1350 4/19/2012 0.23 0.86 0.375 84.2 1.01 6.60 10.40

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Thursday, April 19, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	SMW-4	Sample Date:	Thursday, April 19, 2012
Locked?:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	Sample Time:	1215
Sampled By:	Michael Cook	Weather:	Overcast
		Air Temp:	65 °F

Water Level & Well Data

Depth to water from measuring point:	<u>7.21</u>	feet
Depth to well bottom from measuring point:	<u>23.90</u>	feet
Height of water column:	<u>16.69</u>	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method	<u>Peristaltic Pump</u>	Purge Time
Sample Method	<u>Peristaltic Pump</u>	Start <u>1130</u> Stop <u>1210</u>
Purge Rate	< 100	ml/min
Control Settings	On: _____ sec.	Sample Collection Time
	Off: _____ sec.	Start <u>1210</u> Stop <u>1215</u>
	Pressure: _____ psi	

Volume of water in well

2" well:
height: $16.69 \times .163 =$ 2.7205

Volume of water removed 31.0 gallons liters x

Was well purged dry Yes No x

Field Analyses

*Stabilization Parameters

Final Readings	1210	4/19/2012	13.31	5.94	0.861	136	1.04	1.5	7.73
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APPENDIX II

Laboratory Analytical Reports

Environmental Conservation Laboratories, Inc.

102-A Woodwinds Industrial Court

Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515



www.encolabs.com

Wednesday, May 2, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: White Street Landfill App Is (Phase II)

ENCO Workorder(s): C204206

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 20, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Chuck Smith".

Chuck Smith

Project Manager

Enclosure(s)



www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	4103-II1	Lab ID:	C204206-01	Sampled:	04/17/12 16:00	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:07
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	10:47
EPA 8260B		05/01/12		04/26/12	10:23	4/26/2012	18:16

Client ID:	4103-II2	Lab ID:	C204206-02	Sampled:	04/17/12 12:45	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:18
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	10:51
EPA 8260B		05/01/12		04/26/12	10:23	4/26/2012	18:45

Client ID:	4103-II3	Lab ID:	C204206-03	Sampled:	04/17/12 11:50	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:21
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	10:28
EPA 8260B		05/01/12		04/26/12	10:23	4/26/2012	19:15

Client ID:	4103-II4	Lab ID:	C204206-04	Sampled:	04/17/12 10:40	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:23
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	10:54

Client ID:	4103-II4	Lab ID:	C204206-04RE1	Sampled:	04/17/12 10:40	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/01/12		04/27/12	10:54	5/1/2012	13:22

Client ID:	4103-II5	Lab ID:	C204206-05	Sampled:	04/17/12 08:55	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:31
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	11:10
EPA 8260B		05/01/12		04/26/12	10:23	4/26/2012	20:14

Client ID:	4103-II6	Lab ID:	C204206-06	Sampled:	04/18/12 08:50	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/15/12		04/23/12	08:37	4/25/2012	14:34
EPA 6020A		10/15/12		04/23/12	08:39	4/26/2012	11:14
EPA 8260B		05/02/12		04/27/12	10:54	5/1/2012	17:46



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Client ID:	4103-II7	Lab ID:	C204206-07	Sampled:	04/17/12 14:55	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:36
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	11:17
EPA 8260B		05/01/12		04/26/12	10:23	4/26/2012	20:43

Client ID:	4103-II7B	Lab ID:	C204206-08	Sampled:	04/17/12 14:05	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	14:38
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	11:21
EPA 8260B		05/01/12		04/26/12	10:23	4/26/2012	21:13

Client ID:	4103-II8	Lab ID:	C204206-09	Sampled:	04/18/12 09:55	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/15/12		04/23/12	08:37	4/25/2012	14:40
EPA 6020A		10/15/12		04/23/12	08:39	4/26/2012	11:25
EPA 8260B		05/02/12		04/27/12	10:54	5/1/2012	18:15

Client ID:	4103-II12	Lab ID:	C204206-10	Sampled:	04/18/12 10:55	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/15/12		04/23/12	08:37	4/25/2012	15:13
EPA 6020A		10/15/12		04/23/12	08:39	4/26/2012	11:29
EPA 8260B		05/02/12		04/27/12	10:54	5/1/2012	18:44

Client ID:	4103-MW13	Lab ID:	C204206-11	Sampled:	04/18/12 13:45	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/15/12		04/23/12	08:37	4/25/2012	15:16
EPA 6020A		10/15/12		04/23/12	08:39	4/26/2012	11:32
EPA 8260B		05/02/12		04/27/12	10:54	5/1/2012	19:14

Client ID:	4103-MW14	Lab ID:	C204206-12	Sampled:	04/18/12 12:20	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/15/12		04/23/12	08:37	4/25/2012	15:18
EPA 6020A		10/15/12		04/23/12	08:39	4/26/2012	11:36
EPA 8260B		05/02/12		04/27/12	10:54	5/1/2012	19:43

Client ID:	4103-DUPLICATEII	Lab ID:	C204206-13	Sampled:	04/17/12 08:00	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/23/12	08:37	4/25/2012	15:20
EPA 6020A		10/14/12		04/23/12	08:39	4/26/2012	11:40



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Client ID:	4103-DUPLICATEII	Lab ID:	C204206-13RE1	Sampled:	04/17/12 08:00	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/01/12		04/27/12 10:54		5/1/2012 13:51	

Client ID:	4103-TripBlank#2	Lab ID:	C204206-14	Sampled:	04/17/12 08:00	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/01/12		04/25/12 09:54		4/26/2012 07:47	

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID:	Lab ID: C204206-01								
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.2	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.6		1	0.19	1.0	1	ug/L	EPA 8260B	
Antimony - Total	0.527	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	3.06	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J
Barium - Total	329		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.91	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	2.0	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	6.80	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.1	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	23.1		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	6.67	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.71	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	16.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	2.68	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrahydrofuran	4.4		1	0.80	1.0	NE	ug/L	EPA 8260B	
Vinyl chloride	0.52	J	1	0.32	1.0	1	ug/L	EPA 8260B	
Zinc - Total	3.95	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID:	Lab ID: C204206-02								
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	9.3		1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.55	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Acetone	5.8	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	80.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.51	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	2.15	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	17		1	0.15	1.0	5	ug/L	EPA 8260B	
Tetrachloroethylene	2.2		1	0.17	1.0	1	ug/L	EPA 8260B	
Trichloroethylene	2.5		1	0.15	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.84	J	1	0.24	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	1.93	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	2.1		1	0.32	1.0	1	ug/L	EPA 8260B	

Client ID:	Lab ID: C204206-03								
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	12		1	0.13	1.0	5	ug/L	EPA 8260B	
Antimony - Total	0.862	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	198		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.1		1	0.15	1.0	1	ug/L	EPA 8260B	
Chromium - Total	3.16	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.66	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	14.1		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.64	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.28	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	11.0	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	2.72	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	5.80	J	1	3.80	10.0	10	ug/L	EPA 6010C	



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Client ID: 4103-II4		Lab ID: C204206-04							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	1030		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	42.4		1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	37.5		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	169		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	8.57	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	54.9		1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	5.13	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Thallium - Total	0.248	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Vanadium - Total	217		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	202		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II4		Lab ID: C204206-04RE1							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.7	J	1	0.13	1.0	5	ug/L	EPA 8260B	
Tetrahydrofuran	2.4		1	0.80	1.0	NE	ug/L	EPA 8260B	

Client ID: 4103-II5		Lab ID: C204206-05							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.232	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	6.84	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J
Barium - Total	89.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.42	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	7.28	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.75	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	5.40	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	3.04	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II6		Lab ID: C204206-06							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.51	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	105		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.71	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.22	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	6.23	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.92	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	9.09	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tetrahydrofuran	4.0		1	0.80	1.0	NE	ug/L	EPA 8260B	

Client ID: 4103-II7		Lab ID: C204206-07							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.65	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.42	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	22.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.12	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.79	J	1	0.15	1.0	5	ug/L	EPA 8260B	

Client ID: 4103-II7B		Lab ID: C204206-08							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.64	J	1	0.13	1.0	5	ug/L	EPA 8260B	
2-Butanone	17	J	1	1.3	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.235	J	1	0.220	2.00	6	ug/L	EPA 6020A	

Client ID: 4103-II7B		Lab ID: C204206-08							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	6.24	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J
Barium - Total	9.45	J	1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.58	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Copper - Total	2.02	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.41	J	1	0.17	1.0	1	ug/L	EPA 8260B	
Tetrahydrofuran	130		1	0.80	1.0	NE	ug/L	EPA 8260B	
Vanadium - Total	8.14	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II8		Lab ID: C204206-09							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.66	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.52	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Arsenic - Total	10.1	B	1	2.80	10.0	10	ug/L	EPA 6010C	J-01
Barium - Total	123		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	2.5	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	2.71	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.77	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	22.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tetrahydrofuran	5.5		1	0.80	1.0	NE	ug/L	EPA 8260B	

Client ID: 4103-II12		Lab ID: C204206-10							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	396		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.62	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	6.20	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	8.58	J	1	1.80	10.0	50	ug/L	EPA 6010C	

Client ID: 4103-MW13		Lab ID: C204206-11							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.73	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J
Barium - Total	112		1	1.00	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	3.88	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.48	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW14		Lab ID: C204206-12							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.86	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J
Barium - Total	14.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	3.75	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-DUPLICATEII		Lab ID: C204206-13							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	81.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.10	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.96	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-DUPLICATEII		Lab ID: C204206-13RE1							
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Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	12		1	0.13	1.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	0.42	J	1	0.21	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.64	J	1	0.19	1.0	1	ug/L	EPA 8260B	

Client ID: 4103-DUPLICATEII		Lab ID: C204206-13RE1							
Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chlorobenzene	0.60	J	1	0.17	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	20		1	0.15	1.0	5	ug/L	EPA 8260B	
Tetrachloroethene	2.4		1	0.17	1.0	1	ug/L	EPA 8260B	
Trichloroethene	2.8		1	0.15	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.75	J	1	0.24	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	3.4		1	0.32	1.0	1	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: 4103-II1

Lab Sample ID: C204206-01

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 16:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 18:16	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
1,1-Dichloroethane [75-34-3] ^	1.2	J	ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 18:16	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
1,4-Dichlorobenzene [106-46-7] ^	4.6		ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 18:16	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 18:16	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 18:16	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 18:16	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 18:16	JKG	
Benzene [71-43-2] ^	0.91	J	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 18:16	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 18:16	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 18:16	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 18:16	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Chlorobenzene [108-90-7] ^	2.0	J	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 18:16	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 18:16	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	2.1	J	ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 18:16	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 18:16	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 18:16	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Tetrahydrofuran [109-99-9] ^	4.4		ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 18:16	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 18:16	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 18:16	JKG	

Description: 4103-II1

Lab Sample ID: C204206-01

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 16:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 18:16	JKG	
Vinyl chloride [75-01-4] ^	0.52	J	ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 18:16	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 18:16	JKG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	57	1	50.0	114 %	51-122	2D26019	EPA 8260B	04/26/12 18:16	JKG	
Dibromofluoromethane	50	1	50.0	99 %	68-117	2D26019	EPA 8260B	04/26/12 18:16	JKG	
Toluene-d8	49	1	50.0	98 %	67-127	2D26019	EPA 8260B	04/26/12 18:16	JKG	

Description: 4103-II1

Lab Sample ID: C204206-01

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 16:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.527	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 10:47	VLO	
Arsenic [7440-38-2] ^	3.06	JB	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:07	JDH	J
Barium [7440-39-3] ^	329		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:07	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:07	JDH	
Chromium [7440-47-3] ^	6.80	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:07	JDH	
Cobalt [7440-48-4] ^	23.1		ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:07	JDH	
Copper [7440-50-8] ^	6.67	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:07	JDH	
Lead [7439-92-1] ^	3.71	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:07	JDH	
Nickel [7440-02-0] ^	16.7	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:07	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 10:47	VLO	
Silver [7440-22-4] ^	2.68	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:07	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 10:47	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:07	JDH	
Zinc [7440-66-6] ^	3.95	J	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:07	JDH	

Description: 4103-II2

Lab Sample ID: C204206-02

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 12:45

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 18:45	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
1,1-Dichloroethane [75-34-3] ^	9.3		ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 18:45	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.55	J	ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 18:45	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 18:45	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 18:45	JKG	
Acetone [67-64-1] ^	5.8	J	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 18:45	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 18:45	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 18:45	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 18:45	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 18:45	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 18:45	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Chlorobenzene [108-90-7] ^	0.51	J	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 18:45	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 18:45	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	17		ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 18:45	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 18:45	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 18:45	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Tetrachloroethene [127-18-4] ^	2.2		ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 18:45	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 18:45	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 18:45	JKG	
Trichloroethene [79-01-6] ^	2.5		ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Trichlorofluoromethane [75-69-4] ^	0.84	J	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 18:45	JKG	

Description: 4103-II2

Lab Sample ID: C204206-02

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 12:45

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	2.1		ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 18:45	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 18:45	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	55	1	50.0	110 %	51-122	2D26019	EPA 8260B	04/26/12 18:45	JKG		
Dibromofluoromethane	49	1	50.0	98 %	68-117	2D26019	EPA 8260B	04/26/12 18:45	JKG		
Toluene-d8	47	1	50.0	95 %	67-127	2D26019	EPA 8260B	04/26/12 18:45	JKG		

Description: 4103-II2

Lab Sample ID: C204206-02

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 12:45

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 10:51	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:18	JDH	
Barium [7440-39-3] ^	80.1	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:18	JDH	
Chromium [7440-47-3] ^	2.15	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:18	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:18	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:18	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:18	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:18	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 10:51	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 10:51	VLO	
Vanadium [7440-62-2] ^	1.93	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:18	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:18	JDH	

Description: 4103-II3

Lab Sample ID: C204206-03

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 11:50

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 19:15	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
1,1-Dichloroethane [75-34-3] ^	12		ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 19:15	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 19:15	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 19:15	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 19:15	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 19:15	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 19:15	JKG	
Benzene [71-43-2] ^	1.1		ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 19:15	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 19:15	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 19:15	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 19:15	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 19:15	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 19:15	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.66	J	ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 19:15	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 19:15	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 19:15	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 19:15	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 19:15	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 19:15	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 19:15	JKG	

Description: 4103-II3

Lab Sample ID: C204206-03

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 11:50

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 19:15	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 19:15	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	55	1	50.0	111 %	51-122		2D26019	EPA 8260B	04/26/12 19:15	JKG	
Dibromofluoromethane	50	1	50.0	100 %	68-117		2D26019	EPA 8260B	04/26/12 19:15	JKG	
Toluene-d8	50	1	50.0	100 %	67-127		2D26019	EPA 8260B	04/26/12 19:15	JKG	

Description: 4103-II3

Lab Sample ID: C204206-03

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 11:50

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.862	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 10:28	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:21	JDH	
Barium [7440-39-3] ^	198		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:21	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:21	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:21	JDH	
Chromium [7440-47-3] ^	3.16	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:21	JDH	
Cobalt [7440-48-4] ^	14.1		ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:21	JDH	
Copper [7440-50-8] ^	2.64	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:21	JDH	
Lead [7439-92-1] ^	2.28	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:21	JDH	
Nickel [7440-02-0] ^	11.0	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:21	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 10:28	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:21	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 10:28	VLO	
Vanadium [7440-62-2] ^	2.72	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:21	JDH	
Zinc [7440-66-6] ^	5.80	J	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:21	JDH	

Description: 4103-II4

Lab Sample ID: C204206-04

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 10:40

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 13:22	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
1,1-Dichloroethane [75-34-3] ^	1.7	J	ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 13:22	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 13:22	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 13:22	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 13:22	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 13:22	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 13:22	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 13:22	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 13:22	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 13:22	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 13:22	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 13:22	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 13:22	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 13:22	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 13:22	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 13:22	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Tetrahydrofuran [109-99-9] ^	2.4		ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 13:22	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 13:22	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 13:22	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 13:22	JKG	

Description: 4103-II4

Lab Sample ID: C204206-04

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 10:40

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 13:22	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 13:22	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	52	1	50.0	103 %	51-122		2D27010	EPA 8260B	05/01/12 13:22	JKG	
Dibromofluoromethane	49	1	50.0	97 %	68-117		2D27010	EPA 8260B	05/01/12 13:22	JKG	
Toluene-d8	51	1	50.0	102 %	67-127		2D27010	EPA 8260B	05/01/12 13:22	JKG	

Description: 4103-II4

Lab Sample ID: C204206-04

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 10:40

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 10:54	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:23	JDH	
Barium [7440-39-3] ^	1030		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:23	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:23	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:23	JDH	
Chromium [7440-47-3] ^	42.4		ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:23	JDH	
Cobalt [7440-48-4] ^	37.5		ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:23	JDH	
Copper [7440-50-8] ^	169		ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:23	JDH	
Lead [7439-92-1] ^	8.57	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:23	JDH	
Nickel [7440-02-0] ^	54.9		ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:23	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 10:54	VLO	
Silver [7440-22-4] ^	5.13	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:23	JDH	
Thallium [7440-28-0] ^	0.248	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 10:54	VLO	
Vanadium [7440-62-2] ^	217		ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:23	JDH	
Zinc [7440-66-6] ^	202		ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:23	JDH	

Description: 4103-II5

Lab Sample ID: C204206-05

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 08:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 20:14	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 20:14	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 20:14	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 20:14	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 20:14	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 20:14	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 20:14	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 20:14	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 20:14	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 20:14	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 20:14	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 20:14	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 20:14	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 20:14	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 20:14	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 20:14	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 20:14	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 20:14	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 20:14	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 20:14	JKG	

Description: 4103-II5

Lab Sample ID: C204206-05

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 08:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 20:14	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 20:14	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	55	1	50.0	109 %	51-122		2D26019	EPA 8260B	04/26/12 20:14	JKG	
Dibromofluoromethane	48	1	50.0	95 %	68-117		2D26019	EPA 8260B	04/26/12 20:14	JKG	
Toluene-d8	48	1	50.0	96 %	67-127		2D26019	EPA 8260B	04/26/12 20:14	JKG	

Description: 4103-II5

Lab Sample ID: C204206-05

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 08:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.232	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:10	VLO	
Arsenic [7440-38-2] ^	6.84	JB	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:31	JDH	J
Barium [7440-39-3] ^	89.6	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:31	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:31	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:31	JDH	
Chromium [7440-47-3] ^	2.42	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:31	JDH	
Cobalt [7440-48-4] ^	7.28	J	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:31	JDH	
Copper [7440-50-8] ^	1.75	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:31	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:31	JDH	
Nickel [7440-02-0] ^	5.40	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:31	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:10	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:31	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:10	VLO	
Vanadium [7440-62-2] ^	3.04	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:31	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:31	JDH	

Description: 4103-II6

Lab Sample ID: C204206-06

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 08:50

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 17:46	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 17:46	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.51	J	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 17:46	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 17:46	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 17:46	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 17:46	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 17:46	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 17:46	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 17:46	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 17:46	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 17:46	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Chlorobenzene [108-90-7] ^	0.71	J	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 17:46	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 17:46	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 17:46	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 17:46	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 17:46	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Tetrahydrofuran [109-99-9] ^	4.0		ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 17:46	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 17:46	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 17:46	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 17:46	JKG	

Description: 4103-II6

Lab Sample ID: C204206-06

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 08:50

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 17:46	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 17:46	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	102 %	51-122		2D27010	EPA 8260B	05/01/12 17:46	JKG	
Dibromofluoromethane	50	1	50.0	101 %	68-117		2D27010	EPA 8260B	05/01/12 17:46	JKG	
Toluene-d8	49	1	50.0	99 %	67-127		2D27010	EPA 8260B	05/01/12 17:46	JKG	

Description: 4103-II6

Lab Sample ID: C204206-06

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 08:50

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:14	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:34	JDH	
Barium [7440-39-3] ^	105		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:34	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:34	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:34	JDH	
Chromium [7440-47-3] ^	1.22	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:34	JDH	
Cobalt [7440-48-4] ^	6.23	J	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:34	JDH	
Copper [7440-50-8] ^	2.92	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:34	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:34	JDH	
Nickel [7440-02-0] ^	9.09	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:34	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:14	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:34	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:14	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:34	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:34	JDH	

Description: 4103-II7

Lab Sample ID: C204206-07

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 14:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 20:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.65	J	ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 20:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.42	J	ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 20:43	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 20:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 20:43	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 20:43	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 20:43	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 20:43	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 20:43	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 20:43	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 20:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 20:43	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 20:43	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.79	J	ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 20:43	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 20:43	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 20:43	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 20:43	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 20:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 20:43	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 20:43	JKG	

Description: 4103-II7

Lab Sample ID: C204206-07

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 14:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 20:43	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 20:43	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	55	1	50.0	111 %	51-122		2D26019	EPA 8260B	04/26/12 20:43	JKG	
Dibromofluoromethane	50	1	50.0	100 %	68-117		2D26019	EPA 8260B	04/26/12 20:43	JKG	
Toluene-d8	48	1	50.0	96 %	67-127		2D26019	EPA 8260B	04/26/12 20:43	JKG	

Description: 4103-II7

Lab Sample ID: C204206-07

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 14:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:17	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:36	JDH	
Barium [7440-39-3] ^	22.4	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:36	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:36	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:36	JDH	
Chromium [7440-47-3] ^	1.12	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:36	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:36	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:36	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:36	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:36	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:17	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:36	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:17	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:36	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:36	JDH	

Description: 4103-II7B

Lab Sample ID: C204206-08

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 14:05

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 21:13	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
1,1-Dichloroethane [75-34-3] ^	0.64	J	ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 21:13	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
2-Butanone [78-93-3] ^	17	J	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 21:13	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 21:13	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 21:13	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 21:13	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 21:13	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 21:13	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 21:13	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 21:13	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 21:13	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 21:13	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 21:13	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.58	J	ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 21:13	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 21:13	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 21:13	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Tetrachloroethene [127-18-4] ^	0.41	J	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Tetrahydrofuran [109-99-9] ^	130		ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 21:13	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 21:13	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 21:13	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 21:13	JKG	

Description: 4103-II7B

Lab Sample ID: C204206-08

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 14:05

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 21:13	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 21:13	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	58	1	50.0	116 %	51-122		2D26019	EPA 8260B	04/26/12 21:13	JKG	
Dibromofluoromethane	49	1	50.0	98 %	68-117		2D26019	EPA 8260B	04/26/12 21:13	JKG	
Toluene-d8	50	1	50.0	99 %	67-127		2D26019	EPA 8260B	04/26/12 21:13	JKG	

Description: 4103-II7B

Lab Sample ID: C204206-08

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 14:05

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.235	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:21	VLO	
Arsenic [7440-38-2] ^	6.24	JB	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:38	JDH	J
Barium [7440-39-3] ^	9.45	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:38	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:38	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:38	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:38	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:38	JDH	
Copper [7440-50-8] ^	2.02	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:38	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:38	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:38	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:21	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:38	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:21	VLO	
Vanadium [7440-62-2] ^	8.14	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:38	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:38	JDH	

Description: 4103-II8

Lab Sample ID: C204206-09

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 09:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 18:15	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
1,1-Dichloroethane [75-34-3] ^	0.66	J	ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 18:15	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.52	J	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 18:15	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 18:15	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 18:15	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 18:15	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 18:15	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 18:15	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 18:15	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 18:15	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 18:15	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Chlorobenzene [108-90-7] ^	2.5	J	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 18:15	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 18:15	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 18:15	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 18:15	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 18:15	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Tetrahydrofuran [109-99-9] ^	5.5		ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 18:15	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 18:15	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 18:15	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 18:15	JKG	

Description: 4103-II8

Lab Sample ID: C204206-09

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 09:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 18:15	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 18:15	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	101 %	51-122		2D27010	EPA 8260B	05/01/12 18:15	JKG	
Dibromofluoromethane	50	1	50.0	99 %	68-117		2D27010	EPA 8260B	05/01/12 18:15	JKG	
Toluene-d8	50	1	50.0	100 %	67-127		2D27010	EPA 8260B	05/01/12 18:15	JKG	

Description: 4103-II8

Lab Sample ID: C204206-09

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 09:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:25	VLO	
Arsenic [7440-38-2] ^	10.1	B	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 14:40	JDH	J-01
Barium [7440-39-3] ^	123		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 14:40	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 14:40	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 14:40	JDH	
Chromium [7440-47-3] ^	2.71	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 14:40	JDH	
Cobalt [7440-48-4] ^	1.77	J	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 14:40	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 14:40	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:40	JDH	
Nickel [7440-02-0] ^	22.7	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 14:40	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:25	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 14:40	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:25	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 14:40	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 14:40	JDH	

Description: 4103-II12

Lab Sample ID: C204206-10

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 10:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 18:44	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 18:44	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 18:44	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 18:44	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 18:44	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 18:44	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 18:44	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 18:44	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 18:44	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 18:44	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 18:44	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 18:44	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 18:44	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 18:44	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 18:44	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 18:44	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 18:44	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 18:44	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 18:44	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 18:44	JKG	

Description: 4103-II12

Lab Sample ID: C204206-10

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 10:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 18:44	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 18:44	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	99 %	51-122		2D27010	EPA 8260B	05/01/12 18:44	JKG	
Dibromofluoromethane	52	1	50.0	103 %	68-117		2D27010	EPA 8260B	05/01/12 18:44	JKG	
Toluene-d8	50	1	50.0	99 %	67-127		2D27010	EPA 8260B	05/01/12 18:44	JKG	

Description: 4103-II12

Lab Sample ID: C204206-10

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 10:55

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:29	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 15:13	JDH	
Barium [7440-39-3] ^	396		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 15:13	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 15:13	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 15:13	JDH	
Chromium [7440-47-3] ^	1.62	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 15:13	JDH	
Cobalt [7440-48-4] ^	6.20	J	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 15:13	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 15:13	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:13	JDH	
Nickel [7440-02-0] ^	8.58	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 15:13	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:29	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:13	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:29	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 15:13	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 15:13	JDH	

Description: 4103-MW13

Lab Sample ID: C204206-11

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 13:45

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 19:14	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 19:14	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 19:14	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 19:14	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 19:14	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 19:14	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 19:14	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 19:14	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 19:14	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 19:14	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 19:14	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 19:14	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 19:14	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 19:14	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 19:14	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 19:14	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 19:14	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 19:14	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 19:14	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 19:14	JKG	

Description: 4103-MW13

Lab Sample ID: C204206-11

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 13:45

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 19:14	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 19:14	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	102 %	51-122		2D27010	EPA 8260B	05/01/12 19:14	JKG	
Dibromofluoromethane	49	1	50.0	98 %	68-117		2D27010	EPA 8260B	05/01/12 19:14	JKG	
Toluene-d8	50	1	50.0	100 %	67-127		2D27010	EPA 8260B	05/01/12 19:14	JKG	

Description: 4103-MW13

Lab Sample ID: C204206-11

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 13:45

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:32	VLO	
Arsenic [7440-38-2] ^	3.73	JB	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 15:16	JDH	J
Barium [7440-39-3] ^	112		ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 15:16	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 15:16	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 15:16	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 15:16	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 15:16	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 15:16	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:16	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 15:16	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:32	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:16	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:32	VLO	
Vanadium [7440-62-2] ^	3.88	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 15:16	JDH	
Zinc [7440-66-6] ^	4.48	J	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 15:16	JDH	

Description: 4103-MW14

Lab Sample ID: C204206-12

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 12:20

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 19:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 19:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 19:43	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 19:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 19:43	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 19:43	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 19:43	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 19:43	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 19:43	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 19:43	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 19:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 19:43	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 19:43	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 19:43	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 19:43	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 19:43	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 19:43	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 19:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 19:43	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 19:43	JKG	

Description: 4103-MW14

Lab Sample ID: C204206-12

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 12:20

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 19:43	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 19:43	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	50	1	50.0	101 %	51-122		2D27010	EPA 8260B	05/01/12 19:43	JKG	
Dibromofluoromethane	50	1	50.0	101 %	68-117		2D27010	EPA 8260B	05/01/12 19:43	JKG	
Toluene-d8	50	1	50.0	100 %	67-127		2D27010	EPA 8260B	05/01/12 19:43	JKG	

Description: 4103-MW14

Lab Sample ID: C204206-12

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/18/12 12:20

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:36	VLO	
Arsenic [7440-38-2] ^	3.86	JB	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 15:18	JDH	J
Barium [7440-39-3] ^	14.1	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 15:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 15:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 15:18	JDH	
Chromium [7440-47-3] ^	3.75	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 15:18	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 15:18	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 15:18	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:18	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 15:18	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:36	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:36	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 15:18	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 15:18	JDH	

Description: 4103-DUPLICATEII

Lab Sample ID: C204206-13

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 08:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/01/12 13:51	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
1,1-Dichloroethane [75-34-3] ^	12		ug/L	1	0.13	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
1,1-Dichloroethene [75-35-4] ^	0.42	J	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/01/12 13:51	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.64	J	ug/L	1	0.19	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/01/12 13:51	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/01/12 13:51	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/01/12 13:51	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/01/12 13:51	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/01/12 13:51	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/01/12 13:51	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/01/12 13:51	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/01/12 13:51	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/01/12 13:51	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Chlorobenzene [108-90-7] ^	0.60	J	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 13:51	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/01/12 13:51	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	20		ug/L	1	0.15	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/01/12 13:51	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/01/12 13:51	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/01/12 13:51	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Tetrachloroethene [127-18-4] ^	2.4		ug/L	1	0.17	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	05/01/12 13:51	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/01/12 13:51	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/01/12 13:51	JKG	
Trichloroethene [79-01-6] ^	2.8		ug/L	1	0.15	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Trichlorofluoromethane [75-69-4] ^	0.75	J	ug/L	1	0.24	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/01/12 13:51	JKG	

Description: 4103-DUPLICATEII

Lab Sample ID: C204206-13

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 08:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	3.4		ug/L	1	0.32	1.0	1	EPA 8260B	05/01/12 13:51	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/01/12 13:51	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	51	1	50.0	103 %	51-122	2D27010	EPA 8260B	05/01/12 13:51	JKG		
Dibromofluoromethane	51	1	50.0	101 %	68-117	2D27010	EPA 8260B	05/01/12 13:51	JKG		
Toluene-d8	50	1	50.0	101 %	67-127	2D27010	EPA 8260B	05/01/12 13:51	JKG		

Description: 4103-DUPLICATEII

Lab Sample ID: C204206-13

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/17/12 08:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/26/12 11:40	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/25/12 15:20	JDH	
Barium [7440-39-3] ^	81.7	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/25/12 15:20	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/25/12 15:20	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/25/12 15:20	JDH	
Chromium [7440-47-3] ^	2.10	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/25/12 15:20	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/25/12 15:20	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/25/12 15:20	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:20	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/25/12 15:20	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/26/12 11:40	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/25/12 15:20	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/26/12 11:40	VLO	
Vanadium [7440-62-2] ^	1.96	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/25/12 15:20	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/25/12 15:20	JDH	

Description: 4103-TripBlank#2

Lab Sample ID: C204206-14

Received: 04/20/12 13:00

Matrix: Water

Sampled: 04/17/12 08:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: ENCO

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/26/12 07:47	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/26/12 07:47	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/26/12 07:47	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/26/12 07:47	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/26/12 07:47	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/26/12 07:47	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/26/12 07:47	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/26/12 07:47	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/26/12 07:47	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/26/12 07:47	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/26/12 07:47	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 07:47	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/26/12 07:47	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/26/12 07:47	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/26/12 07:47	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/26/12 07:47	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	04/26/12 07:47	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/26/12 07:47	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/26/12 07:47	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/26/12 07:47	JKG	

Description: 4103-TripBlank#2

Lab Sample ID: C204206-14

Received: 04/20/12 13:00

Matrix: Water

Sampled: 04/17/12 08:00

Work Order: C204206

Project: White Street Landfill App Is (Phase II)

Sampled By: ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/26/12 07:47	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/26/12 07:47	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	55	1	50.0	111 %	51-122		2D25014	EPA 8260B	04/26/12 07:47	JKG	
Dibromofluoromethane	51	1	50.0	102 %	68-117		2D25014	EPA 8260B	04/26/12 07:47	JKG	
Toluene-d8	49	1	50.0	97 %	67-127		2D25014	EPA 8260B	04/26/12 07:47	JKG	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D25014 - EPA 5030B_MS

Blank (2D25014-BLK1)

Prepared: 04/25/2012 09:54 Analyzed: 04/25/2012 22:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D25014 - EPA 5030B_MS

Blank (2D25014-BLK1) Continued

Prepared: 04/25/2012 09:54 Analyzed: 04/25/2012 22:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	55			ug/L	50.0		110	51-122			
Surrogate: Dibromofluoromethane	50			ug/L	50.0		100	68-117			
Surrogate: Toluene-d8	50			ug/L	50.0		100	67-127			

LCS (2D25014-BS1)

Prepared: 04/25/2012 09:54 Analyzed: 04/25/2012 22:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		91	75-133			
Benzene	18		1.0	ug/L	20.0		88	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	18		1.0	ug/L	20.0		91	71-118			
Trichloroethene	19		1.0	ug/L	20.0		96	82-118			

Matrix Spike (2D25014-MS1)

Prepared: 04/25/2012 09:54 Analyzed: 04/25/2012 23:27

Source: C204638-16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	90	75-133			
Benzene	18		1.0	ug/L	20.0	0.15 U	89	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117			
Toluene	18		1.0	ug/L	20.0	0.14 U	89	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	96	82-118			

Matrix Spike Dup (2D25014-MSD1)

Prepared: 04/25/2012 09:54 Analyzed: 04/25/2012 23:57

Source: C204638-16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	85	75-133	5	20	
Benzene	17		1.0	ug/L	20.0	0.15 U	85	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	83-117	5	16	
Toluene	17		1.0	ug/L	20.0	0.14 U	87	71-118	3	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	94	82-118	2	15	

Batch 2D26019 - EPA 5030B_MS

Blank (2D26019-BLK1)

Prepared: 04/26/2012 10:23 Analyzed: 04/26/2012 11:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D26019 - EPA 5030B_MS

Blank (2D26019-BLK1) Continued

Prepared: 04/26/2012 10:23 Analyzed: 04/26/2012 11:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	54			ug/L	50.0		108	51-122			
<i>Surrogate: Dibromofluoromethane</i>	49			ug/L	50.0		98	68-117			
<i>Surrogate: Toluene-d8</i>	48			ug/L	50.0		96	67-127			

LCS (2D26019-BS1)

Prepared: 04/26/2012 10:23 Analyzed: 04/26/2012 11:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		88	75-133			
Benzene	17		1.0	ug/L	20.0		83	81-134			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D26019 - EPA 5030B_MS

LCS (2D26019-BS1) Continued

Prepared: 04/26/2012 10:23 Analyzed: 04/26/2012 11:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	16		1.0	ug/L	20.0		81	71-118			
Trichloroethene	19		1.0	ug/L	20.0		96	82-118			

Matrix Spike (2D26019-MS1)

Prepared: 04/26/2012 10:23 Analyzed: 04/26/2012 12:23

Source: C204638-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	83	75-133			
Benzene	17		1.0	ug/L	20.0	0.15 U	85	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	83-117			
Toluene	17		1.0	ug/L	20.0	0.14 U	84	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	95	82-118			

Matrix Spike Dup (2D26019-MSD1)

Prepared: 04/26/2012 10:23 Analyzed: 04/26/2012 12:52

Source: C204638-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0	0.21 U	85	75-133	2	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	88	81-134	3	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	88	71-118	4	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	97	82-118	2	15	

Batch 2D27010 - EPA 5030B_MS

Blank (2D27010-BLK1)

Prepared: 04/27/2012 10:54 Analyzed: 05/01/2012 09:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D27010 - EPA 5030B_MS

Blank (2D27010-BLK1) Continued

Prepared: 04/27/2012 10:54 Analyzed: 05/01/2012 09:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	51			ug/L	50.0		102	51-122			
<i>Surrogate: Dibromofluoromethane</i>	50			ug/L	50.0		101	68-117			
<i>Surrogate: Toluene-d8</i>	52			ug/L	50.0		103	67-127			

LCS (2D27010-BS1)

Prepared: 04/27/2012 10:54 Analyzed: 05/01/2012 10:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		92	75-133			
Benzene	18		1.0	ug/L	20.0		92	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	18		1.0	ug/L	20.0		91	71-118			
Trichloroethene	19		1.0	ug/L	20.0		96	82-118			

Matrix Spike (2D27010-MS1)

Prepared: 04/27/2012 10:54 Analyzed: 05/01/2012 10:55

Source: C204830-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	100	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	97	81-134			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D27010 - EPA 5030B_MS

Matrix Spike (2D27010-MS1) Continued

Prepared: 04/27/2012 10:54 Analyzed: 05/01/2012 10:55

Source: C204830-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	104	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	96	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	104	82-118			

Matrix Spike Dup (2D27010-MSD1)

Prepared: 04/27/2012 10:54 Analyzed: 05/01/2012 11:24

Source: C204830-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	90	75-133	11	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	92	81-134	5	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	91	71-118	6	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	97	82-118	7	15	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D23001 - EPA 3005A

Blank (2D23001-BLK1)

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	4.10	J	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2D23001-BS1)

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	208	B	10.0	ug/L	200		104	80-120			
Barium	215		10.0	ug/L	200		107	80-120			
Beryllium	21.0		1.00	ug/L	20.0		105	80-120			
Cadmium	21.8		1.00	ug/L	20.0		109	80-120			
Chromium	208		10.0	ug/L	200		104	80-120			
Cobalt	213		10.0	ug/L	200		107	80-120			
Copper	206		10.0	ug/L	200		103	80-120			
Lead	208		10.0	ug/L	200		104	80-120			
Nickel	215		10.0	ug/L	200		107	80-120			
Silver	212		10.0	ug/L	200		106	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D23001 - EPA 3005A

LCS (2D23001-BS1) Continued

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	212		10.0	ug/L	200		106	80-120			
Zinc	214		10.0	ug/L	200		107	80-120			

Matrix Spike (2D23001-MS1)

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:09

Source: C204206-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	220	B	10.0	ug/L	200	3.06	109	75-125			
Barium	541		10.0	ug/L	200	329	106	75-125			
Beryllium	21.5		1.00	ug/L	20.0	0.100 U	107	75-125			
Cadmium	21.2		1.00	ug/L	20.0	0.360 U	106	75-125			
Chromium	216		10.0	ug/L	200	6.80	104	75-125			
Cobalt	234		10.0	ug/L	200	23.1	105	75-125			
Copper	226		10.0	ug/L	200	6.67	110	75-125			
Lead	207		10.0	ug/L	200	3.71	101	75-125			
Nickel	226		10.0	ug/L	200	16.7	104	75-125			
Silver	226		10.0	ug/L	200	2.68	112	75-125			
Vanadium	216		10.0	ug/L	200	1.40 U	108	75-125			
Zinc	214		10.0	ug/L	200	3.95	105	75-125			

Matrix Spike Dup (2D23001-MSD1)

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:12

Source: C204206-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	218	B	10.0	ug/L	200	3.06	108	75-125	0.8	20	
Barium	540		10.0	ug/L	200	329	106	75-125	0.09	20	
Beryllium	21.2		1.00	ug/L	20.0	0.100 U	106	75-125	1	20	
Cadmium	21.2		1.00	ug/L	20.0	0.360 U	106	75-125	0.006	20	
Chromium	214		10.0	ug/L	200	6.80	103	75-125	1	20	
Cobalt	232		10.0	ug/L	200	23.1	105	75-125	0.5	20	
Copper	224		10.0	ug/L	200	6.67	108	75-125	1	20	
Lead	206		10.0	ug/L	200	3.71	101	75-125	0.5	20	
Nickel	225		10.0	ug/L	200	16.7	104	75-125	0.2	20	
Silver	224		10.0	ug/L	200	2.68	111	75-125	1	20	
Vanadium	214		10.0	ug/L	200	1.40 U	107	75-125	0.9	20	
Zinc	213		10.0	ug/L	200	3.95	104	75-125	0.6	20	

Post Spike (2D23001-PS1)

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:14

Source: C204206-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.218	B	0.0100	mg/L	0.200	0.00306	107	80-120			
Barium	0.533		0.0100	mg/L	0.200	0.329	102	80-120			
Beryllium	0.0210		0.00100	mg/L	0.0200	-0.000112	105	80-120			
Cadmium	0.0209		0.00100	mg/L	0.0200	-0.000274	106	80-120			
Chromium	0.211		0.0100	mg/L	0.200	0.00680	102	80-120			
Cobalt	0.230		0.0100	mg/L	0.200	0.0231	104	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D23001 - EPA 3005A

Post Spike (2D23001-PS1) Continued

Prepared: 04/23/2012 08:37 Analyzed: 04/25/2012 14:14

Source: C204206-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	0.221		0.0100	mg/L	0.200	0.00667	107	80-120			
Lead	0.205		0.0100	mg/L	0.200	0.00371	100	80-120			
Nickel	0.223		0.0100	mg/L	0.200	0.0167	103	80-120			
Silver	0.230		0.0100	mg/L	0.200	0.00268	114	80-120			
Vanadium	0.210		0.0100	mg/L	0.200	-0.00123	106	80-120			
Zinc	0.216		0.0100	mg/L	0.200	0.00395	106	80-120			

Batch 2D23002 - EPA 3005A

Blank (2D23002-BLK1)

Prepared: 04/23/2012 08:39 Analyzed: 04/26/2012 10:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2D23002-BS1)

Prepared: 04/23/2012 08:39 Analyzed: 04/26/2012 10:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	192		2.00	ug/L	200		96	80-120			
Selenium	206		1.00	ug/L	200		103	80-120			
Thallium	192		1.00	ug/L	200		96	80-120			

Matrix Spike (2D23002-MS1)

Prepared: 04/23/2012 08:39 Analyzed: 04/26/2012 10:32

Source: C204206-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	201		2.00	ug/L	200	0.862	100	75-125			
Selenium	210		1.00	ug/L	200	0.830 U	105	75-125			
Thallium	182		1.00	ug/L	200	0.110 U	91	75-125			

Matrix Spike Dup (2D23002-MSD1)

Prepared: 04/23/2012 08:39 Analyzed: 04/26/2012 10:36

Source: C204206-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	205		2.00	ug/L	200	0.862	102	75-125	2	20	
Selenium	211		1.00	ug/L	200	0.830 U	106	75-125	0.4	20	
Thallium	184		1.00	ug/L	200	0.110 U	92	75-125	0.7	20	

Post Spike (2D23002-PS1)

Prepared: 04/23/2012 08:39 Analyzed: 04/26/2012 10:40

Source: C204206-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	209		2.00	ug/L	200	0.862	104	80-120			
Selenium	222		1.00	ug/L	200	0.272	111	80-120			
Thallium	188		1.00	ug/L	200	0.0452	94	80-120			

QUALITY CONTROL**Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control**

Batch 2D23002 - EPA 3005A

FLAGS/NOTES AND DEFINITIONS

- B The analyte was detected in the associated method blank.
- D The sample was analyzed at dilution.
- J The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
- U The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- MRL Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
- J-01 Result is estimated due to positive results in the associated method blank.



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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3

Client Name S&ME, Inc. (SM004)	Project Number [None]
Address 3718 Old Battleground Rd. Greensboro, NC 27410	Project Name/Desc White Street Landfill App Is (Phase II)
Phone/SITZP [None]	PO # / Billing Info
Sampler(s) Name, Affiliation (Print) [Signature]	Reporting Contact Edmund Henriques
Sampler(s) Signature [Signature]	Billing Contact Accounts Payable
Site Location / Time Zone Spartanburg, SC / 8:00 AM, [Signature]	

Client Name S&ME, Inc. (SM004)		Project Number [none]		Requested Turnaround Times		
Address 3718 Old Battleground Rd.		Project Name/Desc White Street Landfill App ls (Phase II)		Note - Rush requests subject to acceptance by the facility		
Phone/STL/Zip Greensboro, NC 27410		PO # / Billing info		<input checked="" type="checkbox"/> Standard		
(336) 288-7180		(336) 288-8980		<input type="checkbox"/> Expedited		
Sampler(s) Name, Affiliation (Print) <i>LARRY SWANSON</i>		Reporting Contact Edmund Henriques		Due <u> / / </u>		
Sampler(s) Signature <i>LARRY SWANSON</i>		Billing Contact Accounts Payable		Lab Workorder C204206		
Site Location / Time Zone				Preservation (See Codes) (Continue as necessary)		
				Sample Comments		
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Compt / Grab	Matrix (see codes)	Total # of Containers
4103-11		4/17/12	1600	G	GW	4
4103-12		4/17/12	1245	G	GW	4
4103-13		4/17/12	1150	G	GW	4
4103-14		4/17/12	1040	G	GW	4
4103-15		4/17/12	0855	G	GW	4
4103-16		4/18/12	0850	G	GW	4
4103-17		4/17/12	1455	G	GW	4
4103-17B		4/17/12	1405	G	GW	4
4103-18		4/18/12	0955	G	GW	4
4103-112		4/18/12	1055	G	GW	4
4103-MW13		4/18/12	1345	G	GW	4
4103-MW14		4/18/12	1220	G	GW	4

Sample Kit Prepared By _____
Comments/Special Report _____

Total # of Containers	Date/Time	Received By
145	4/19/12 14:45	Brian Received By

Date/Time	4/20/13 13:00	
Date/Time	<i>Aug 2013</i>	
Date/Time		
		Condition Upon Receipt

Acceptable Unacceptable

DRAFT - 2000-01-01 - WORK IN PROGRESS - A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

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44810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

Client Name S&ME, Inc. (SM004)		Project Number [None]	Requested Analyses	Requested Turnaround Times
Address 3713 Old Battleground Rd.	City/ST/Zip Greensboro, NC 27410	Project Name/Desc White Street Landfill Apps (Phase II)		Note : Rush requests subject to acceptance by the facility <input type="checkbox"/> Standard <input type="checkbox"/> Expedited <input type="checkbox"/> Due / / <input type="checkbox"/> Lab Workorder
		PO # / Billing Info		
		Tel (336) 288-7180	Fax (336) 288-8980	Reporting Contact Edmund Henriques
				Billing Contact Accounts Payable
				Site Location / Time Zone
				Sampler(s) Signature 
8260B Appendix I, 8260B Extended Ag, As, Ba, Be, Cd, Co, Cr, Cu, Ni, Pb, Sb, Se, Zn, V, Zr				

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Cary NC, 27511

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Wednesday, April 25, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: White Street Landfill Surface Waters

ENCO Workorder(s): C204201

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, April 18, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Chuck Smith".

Chuck Smith

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	4112-SW1	Lab ID:	C204201-01	Sampled:	04/17/12 08:20	Received:	04/18/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/19/12	08:21	4/20/2012	11:34
EPA 6020A		10/14/12		04/19/12	08:27	4/23/2012	13:58
EPA 8260B		05/01/12		04/19/12	17:18	4/20/2012	21:09

Client ID:	4112-SW2	Lab ID:	C204201-02	Sampled:	04/17/12 08:45	Received:	04/18/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/19/12	08:21	4/20/2012	11:37
EPA 6020A		10/14/12		04/19/12	08:27	4/23/2012	14:02
EPA 8260B		05/01/12		04/19/12	17:18	4/20/2012	21:38

Client ID:	4112-SW3	Lab ID:	C204201-03	Sampled:	04/17/12 09:30	Received:	04/18/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/19/12	08:21	4/20/2012	11:39
EPA 6020A		10/14/12		04/19/12	08:27	4/23/2012	14:05
EPA 8260B		05/01/12		04/19/12	17:18	4/20/2012	22:08

Client ID:	4112-SW4	Lab ID:	C204201-04	Sampled:	04/17/12 10:30	Received:	04/18/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/19/12	08:21	4/20/2012	11:41
EPA 6020A		10/14/12		04/19/12	08:27	4/23/2012	14:31
EPA 8260B		05/01/12		04/19/12	17:18	4/20/2012	22:37

Client ID:	4112-SW5	Lab ID:	C204201-05	Sampled:	04/17/12 11:00	Received:	04/18/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C		10/14/12		04/19/12	08:21	4/20/2012	11:43
EPA 6020A		10/14/12		04/19/12	08:27	4/23/2012	14:35
EPA 8260B		05/01/12		04/19/12	17:18	4/20/2012	23:06

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4112-SW1		Lab ID: C204201-01								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total		0.279	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total		43.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total		1.11	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Copper - Total		2.72	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Vanadium - Total		2.33	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total		5.98	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW2		Lab ID: C204201-02								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total		48.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 4112-SW3		Lab ID: C204201-03								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total		0.340	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total		3.12	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total		23.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Bromodichloromethane		0.67	J	1	0.17	1.0	1	ug/L	EPA 8260B	
Chloroform		1.0	J	1	0.18	1.0	5	ug/L	EPA 8260B	
Copper - Total		5.01	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total		2.38	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total		2.56	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Trichloroethene		0.69	J	1	0.15	1.0	1	ug/L	EPA 8260B	
Vanadium - Total		1.48	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total		32.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW4		Lab ID: C204201-04								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total		0.308	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total		33.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloroform		0.45	J	1	0.18	1.0	5	ug/L	EPA 8260B	
Copper - Total		4.36	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total		2.00	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total		1.60	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total		21.6		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW5		Lab ID: C204201-05								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total		0.284	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total		33.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total		4.11	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total		2.23	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total		1.44	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total		22.9		1	3.80	10.0	10	ug/L	EPA 6010C	

ANALYTICAL RESULTS

Description: 4112-SW1

Lab Sample ID: C204201-01

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 08:20

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/20/12 21:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/12 21:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/12 21:09	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/12 21:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/12 21:09	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/12 21:09	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/12 21:09	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/20/12 21:09	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/20/12 21:09	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/20/12 21:09	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/12 21:09	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 21:09	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/20/12 21:09	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 21:09	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/20/12 21:09	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/12 21:09	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 21:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/12 21:09	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 21:09	JKG	

Description: 4112-SW1

Lab Sample ID: C204201-01

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 08:20

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/12 21:09	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/20/12 21:09	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/20/12 21:09	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes	
4-Bromofluorobenzene	53	1	50.0	107 %	51-122	2D19042	EPA 8260B	04/20/12 21:09	JKG		
Dibromofluoromethane	53	1	50.0	106 %	68-117	2D19042	EPA 8260B	04/20/12 21:09	JKG		
Toluene-d8	51	1	50.0	103 %	67-127	2D19042	EPA 8260B	04/20/12 21:09	JKG		

Description: 4112-SW1

Lab Sample ID: C204201-01

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 08:20

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.279	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/23/12 13:58	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/20/12 11:34	JDH	
Barium [7440-39-3] ^	43.7	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/12 11:34	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/20/12 11:34	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/12 11:34	JDH	
Chromium [7440-47-3] ^	1.11	J	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/12 11:34	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/20/12 11:34	JDH	
Copper [7440-50-8] ^	2.72	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/20/12 11:34	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:34	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/20/12 11:34	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/23/12 13:58	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:34	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/23/12 13:58	VLO	
Vanadium [7440-62-2] ^	2.33	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/20/12 11:34	JDH	
Zinc [7440-66-6] ^	5.98	J	ug/L	1	3.80	10.0	10	EPA 6010C	04/20/12 11:34	JDH	

Description: 4112-SW2

Lab Sample ID: C204201-02

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 08:45

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/20/12 21:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/12 21:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/12 21:38	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/12 21:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/12 21:38	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/12 21:38	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/12 21:38	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/20/12 21:38	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/20/12 21:38	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/20/12 21:38	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/12 21:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 21:38	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/20/12 21:38	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 21:38	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/20/12 21:38	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/12 21:38	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 21:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/12 21:38	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/20/12 21:38	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/12 21:38	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/20/12 21:38	JKG	

Description: 4112-SW2

Lab Sample ID: C204201-02

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 08:45

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/20/12 21:38	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	54	1	50.0	107 %	51-122		2D19042	EPA 8260B	04/20/12 21:38	JKG	
Dibromofluoromethane	52	1	50.0	104 %	68-117		2D19042	EPA 8260B	04/20/12 21:38	JKG	
Toluene-d8	52	1	50.0	104 %	67-127		2D19042	EPA 8260B	04/20/12 21:38	JKG	

Description: 4112-SW2

Lab Sample ID: C204201-02

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 08:45

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	04/23/12 14:02	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/20/12 11:37	JDH	
Barium [7440-39-3] ^	48.4	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/12 11:37	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/20/12 11:37	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/12 11:37	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/12 11:37	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/20/12 11:37	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	04/20/12 11:37	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:37	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	04/20/12 11:37	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/23/12 14:02	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:37	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/23/12 14:02	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	04/20/12 11:37	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	04/20/12 11:37	JDH	

Description: 4112-SW3

Lab Sample ID: C204201-03

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 09:30

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/20/12 22:08	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/12 22:08	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/12 22:08	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/12 22:08	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/12 22:08	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/12 22:08	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/12 22:08	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/20/12 22:08	JKG	
Bromodichloromethane [75-27-4] ^	0.67	J	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/20/12 22:08	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/20/12 22:08	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/12 22:08	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 22:08	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/20/12 22:08	JKG	
Chloroform [67-66-3] ^	1.0	J	ug/L	1	0.18	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 22:08	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/20/12 22:08	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/12 22:08	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 22:08	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/12 22:08	JKG	
Trichloroethene [79-01-6] ^	0.69	J	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/20/12 22:08	JKG	
Vinyl acetate [108-54-1] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/12 22:08	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/20/12 22:08	JKG	

Description: 4112-SW3

Lab Sample ID: C204201-03

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 09:30

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/20/12 22:08	JKG	
Surrogates											
4-Bromofluorobenzene	54	1	50.0	108 %	51-122	2D19042	EPA 8260B	04/20/12 22:08	JKG		
Dibromofluoromethane	51	1	50.0	102 %	68-117	2D19042	EPA 8260B	04/20/12 22:08	JKG		
Toluene-d8	51	1	50.0	102 %	67-127	2D19042	EPA 8260B	04/20/12 22:08	JKG		

Description: 4112-SW3

Lab Sample ID: C204201-03

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 09:30

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.340	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/23/12 14:05	VLO	
Arsenic [7440-38-2] ^	3.12	J	ug/L	1	2.80	10.0	10	EPA 6010C	04/20/12 11:39	JDH	
Barium [7440-39-3] ^	23.5	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/12 11:39	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/20/12 11:39	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/12 11:39	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/12 11:39	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/20/12 11:39	JDH	
Copper [7440-50-8] ^	5.01	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/20/12 11:39	JDH	
Lead [7439-92-1] ^	2.38	J	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:39	JDH	
Nickel [7440-02-0] ^	2.56	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/20/12 11:39	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/23/12 14:05	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:39	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/23/12 14:05	VLO	
Vanadium [7440-62-2] ^	1.48	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/20/12 11:39	JDH	
Zinc [7440-66-6] ^	32.0		ug/L	1	3.80	10.0	10	EPA 6010C	04/20/12 11:39	JDH	

Description: 4112-SW4

Lab Sample ID: C204201-04

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 10:30

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/20/12 22:37	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/12 22:37	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/12 22:37	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/12 22:37	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/12 22:37	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/12 22:37	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/12 22:37	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/20/12 22:37	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/20/12 22:37	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/20/12 22:37	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/12 22:37	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 22:37	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/20/12 22:37	JKG	
Chloroform [67-66-3] ^	0.45	J	ug/L	1	0.18	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 22:37	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/20/12 22:37	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/12 22:37	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 22:37	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/12 22:37	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/20/12 22:37	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/12 22:37	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/20/12 22:37	JKG	

Description: 4112-SW4

Lab Sample ID: C204201-04

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 10:30

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/20/12 22:37	JKG	
Surrogates											
4-Bromofluorobenzene	51	1	50.0	101 %	51-122	2D19042	EPA 8260B	04/20/12 22:37	JKG		
Dibromofluoromethane	53	1	50.0	105 %	68-117	2D19042	EPA 8260B	04/20/12 22:37	JKG		
Toluene-d8	51	1	50.0	102 %	67-127	2D19042	EPA 8260B	04/20/12 22:37	JKG		

Description: 4112-SW4

Lab Sample ID: C204201-04

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 10:30

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.308	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/23/12 14:31	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/20/12 11:41	JDH	
Barium [7440-39-3] ^	33.7	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/12 11:41	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/20/12 11:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/12 11:41	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/12 11:41	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/20/12 11:41	JDH	
Copper [7440-50-8] ^	4.36	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/20/12 11:41	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:41	JDH	
Nickel [7440-02-0] ^	2.00	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/20/12 11:41	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/23/12 14:31	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:41	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/23/12 14:31	VLO	
Vanadium [7440-62-2] ^	1.60	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/20/12 11:41	JDH	
Zinc [7440-66-6] ^	21.6		ug/L	1	3.80	10.0	10	EPA 6010C	04/20/12 11:41	JDH	

Description: 4112-SW5

Lab Sample ID: C204201-05

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 11:00

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	04/20/12 23:06	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	04/20/12 23:06	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	04/20/12 23:06	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	04/20/12 23:06	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	04/20/12 23:06	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	04/20/12 23:06	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	04/20/12 23:06	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	04/20/12 23:06	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	04/20/12 23:06	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	04/20/12 23:06	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	04/20/12 23:06	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 23:06	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	04/20/12 23:06	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	04/20/12 23:06	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	04/20/12 23:06	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	04/20/12 23:06	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	04/20/12 23:06	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	04/20/12 23:06	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	04/20/12 23:06	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	04/20/12 23:06	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	04/20/12 23:06	JKG	

Description: 4112-SW5

Lab Sample ID: C204201-05

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 11:00

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	04/20/12 23:06	JKG	
Surrogates											
4-Bromofluorobenzene	52	1	50.0	105 %	51-122	2D19042	EPA 8260B	04/20/12 23:06	JKG		
Dibromofluoromethane	53	1	50.0	107 %	68-117	2D19042	EPA 8260B	04/20/12 23:06	JKG		
Toluene-d8	52	1	50.0	103 %	67-127	2D19042	EPA 8260B	04/20/12 23:06	JKG		

Description: 4112-SW5

Lab Sample ID: C204201-05

Received: 04/18/12 13:00

Matrix: Surface Water

Sampled: 04/17/12 11:00

Work Order: C204201

Project: White Street Landfill Surface Waters

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.284	J	ug/L	1	0.220	2.00	6	EPA 6020A	04/23/12 14:35	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	04/20/12 11:43	JDH	
Barium [7440-39-3] ^	33.7	J	ug/L	1	1.00	10.0	100	EPA 6010C	04/20/12 11:43	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	04/20/12 11:43	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	04/20/12 11:43	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	04/20/12 11:43	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	04/20/12 11:43	JDH	
Copper [7440-50-8] ^	4.11	J	ug/L	1	1.60	10.0	10	EPA 6010C	04/20/12 11:43	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:43	JDH	
Nickel [7440-02-0] ^	2.23	J	ug/L	1	1.80	10.0	50	EPA 6010C	04/20/12 11:43	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	04/23/12 14:35	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	04/20/12 11:43	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	04/23/12 14:35	VLO	
Vanadium [7440-62-2] ^	1.44	J	ug/L	1	1.40	10.0	25	EPA 6010C	04/20/12 11:43	JDH	
Zinc [7440-66-6] ^	22.9		ug/L	1	3.80	10.0	10	EPA 6010C	04/20/12 11:43	JDH	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D19042 - EPA 5030B_MS

Blank (2D19042-BLK1)

Prepared: 04/19/2012 17:18 Analyzed: 04/20/2012 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
<i>Surrogate: 4-Bromofluorobenzene</i>	53			ug/L	50.0			106	51-122		

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2D19042 - EPA 5030B_MS

Blank (2D19042-BLK1) Continued

Prepared: 04/19/2012 17:18 Analyzed: 04/20/2012 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	52			ug/L	50.0		103	68-117			
Surrogate: Toluene-d8	51			ug/L	50.0		101	67-127			

LCS (2D19042-BS1)

Prepared: 04/19/2012 17:18 Analyzed: 04/20/2012 13:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	75-133			
Benzene	18		1.0	ug/L	20.0		90	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	17		1.0	ug/L	20.0		86	71-118			
Trichloroethene	18		1.0	ug/L	20.0		90	82-118			

Matrix Spike (2D19042-MS1)

Prepared: 04/19/2012 17:18 Analyzed: 04/20/2012 14:18

Source: C204541-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	100	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	94	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	83-117			
Toluene	17		1.0	ug/L	20.0	0.14 U	86	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	95	82-118			

Matrix Spike Dup (2D19042-MSD1)

Prepared: 04/19/2012 17:18 Analyzed: 04/20/2012 14:47

Source: C204541-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	94	75-133	6	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	89	81-134	5	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.17 U	88	83-117	7	16	
Toluene	17		1.0	ug/L	20.0	0.14 U	85	71-118	2	17	
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	91	82-118	5	15	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D19001 - EPA 3005A

Blank (2D19001-BLK1)

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D19001 - EPA 3005A

Blank (2D19001-BLK1) Continued

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2D19001-BS1)

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	207		10.0	ug/L	200		104	80-120			
Barium	205		10.0	ug/L	200		103	80-120			
Beryllium	20.4		1.00	ug/L	20.0		102	80-120			
Cadmium	21.1		1.00	ug/L	20.0		105	80-120			
Chromium	209		10.0	ug/L	200		104	80-120			
Cobalt	214		10.0	ug/L	200		107	80-120			
Copper	199		10.0	ug/L	200		100	80-120			
Lead	210		10.0	ug/L	200		105	80-120			
Nickel	211		10.0	ug/L	200		105	80-120			
Silver	208		10.0	ug/L	200		104	80-120			
Vanadium	206		10.0	ug/L	200		103	80-120			
Zinc	205		10.0	ug/L	200		102	80-120			

Matrix Spike (2D19001-MS1)

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:11

Source: C203985-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	206		10.0	ug/L	200	2.80 U	103	75-125			
Barium	326		10.0	ug/L	200	125	100	75-125			
Beryllium	20.3		1.00	ug/L	20.0	0.100 U	102	75-125			
Cadmium	21.0		1.00	ug/L	20.0	0.360 U	105	75-125			
Chromium	201		10.0	ug/L	200	1.00 U	101	75-125			
Cobalt	204		10.0	ug/L	200	1.10 U	102	75-125			
Copper	203		10.0	ug/L	200	1.60 U	101	75-125			
Lead	200		10.0	ug/L	200	1.90 U	100	75-125			
Nickel	207		10.0	ug/L	200	2.53	102	75-125			
Silver	208		10.0	ug/L	200	1.90 U	104	75-125			
Vanadium	205		10.0	ug/L	200	1.40 U	103	75-125			
Zinc	205		10.0	ug/L	200	3.80 U	103	75-125			

Matrix Spike Dup (2D19001-MSD1)

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:13

Source: C203985-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	206		10.0	ug/L	200	2.80 U	103	75-125	0.07	20	
Barium	323		10.0	ug/L	200	125	99	75-125	1	20	
Beryllium	20.0		1.00	ug/L	20.0	0.100 U	100	75-125	1	20	
Cadmium	21.0		1.00	ug/L	20.0	0.360 U	105	75-125	0.09	20	
Chromium	199		10.0	ug/L	200	1.00 U	99	75-125	1	20	
Cobalt	204		10.0	ug/L	200	1.10 U	102	75-125	0.2	20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D19001 - EPA 3005A

Matrix Spike Dup (2D19001-MSD1) Continued

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:13

Source: C203985-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	200		10.0	ug/L	200	1.60 U	100	75-125	2	20	
Lead	202		10.0	ug/L	200	1.90 U	101	75-125	0.7	20	
Nickel	207		10.0	ug/L	200	2.53	102	75-125	0.2	20	
Silver	205		10.0	ug/L	200	1.90 U	103	75-125	1	20	
Vanadium	202		10.0	ug/L	200	1.40 U	101	75-125	2	20	
Zinc	204		10.0	ug/L	200	3.80 U	102	75-125	0.3	20	

Post Spike (2D19001-PS1)

Prepared: 04/19/2012 08:21 Analyzed: 04/20/2012 11:15

Source: C203985-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.252		0.0100	mg/L	0.200	0.00266	125	80-120			QM-08
Barium	0.363		0.0100	mg/L	0.200	0.125	119	80-120			
Beryllium	0.0246		0.00100	mg/L	0.0200	-6.30E-5	123	80-120			QM-08
Cadmium	0.0256		0.00100	mg/L	0.0200	1.90E-5	128	80-120			QM-08
Chromium	0.243		0.0100	mg/L	0.200	0.000447	121	80-120			QM-08
Cobalt	0.249		0.0100	mg/L	0.200	-7.78E-6	124	80-120			QM-08
Copper	0.244		0.0100	mg/L	0.200	6.54E-5	122	80-120			QM-08
Lead	0.245		0.0100	mg/L	0.200	-0.000863	123	80-120			QM-08
Nickel	0.252		0.0100	mg/L	0.200	0.00253	125	80-120			QM-08
Silver	0.263		0.0100	mg/L	0.200	0.000751	131	80-120			QM-08
Vanadium	0.248		0.0100	mg/L	0.200	-0.000406	124	80-120			QM-08
Zinc	0.251		0.0100	mg/L	0.200	-0.000418	126	80-120			QM-08

Batch 2D19002 - EPA 3005A

Blank (2D19002-BLK1)

Prepared: 04/19/2012 08:27 Analyzed: 04/23/2012 13:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2D19002-BS1)

Prepared: 04/19/2012 08:27 Analyzed: 04/23/2012 13:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	205		2.00	ug/L	200		102	80-120			
Selenium	218		1.00	ug/L	200		109	80-120			
Thallium	209		1.00	ug/L	200		105	80-120			

Matrix Spike (2D19002-MS1)

Prepared: 04/19/2012 08:27 Analyzed: 04/23/2012 13:25

Source: C204219-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	204		2.00	ug/L	200	0.835	101	75-125			
Selenium	213		1.00	ug/L	200	1.66	106	75-125			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2D19002 - EPA 3005A

Matrix Spike (2D19002-MS1) Continued

Prepared: 04/19/2012 08:27 Analyzed: 04/23/2012 13:25

Source: C204219-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Thallium	206		1.00	ug/L	200	0.110 U	103	75-125			

Matrix Spike Dup (2D19002-MSD1)

Prepared: 04/19/2012 08:27 Analyzed: 04/23/2012 13:28

Source: C204219-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	202		2.00	ug/L	200	0.835	100	75-125	1	20	
Selenium	213		1.00	ug/L	200	1.66	106	75-125	0.07	20	
Thallium	200		1.00	ug/L	200	0.110 U	100	75-125	3	20	

Post Spike (2D19002-PS1)

Prepared: 04/19/2012 08:27 Analyzed: 04/23/2012 13:32

Source: C204219-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	210		2.00	ug/L	200	0.835	105	80-120			
Selenium	215		1.00	ug/L	200	1.66	107	80-120			
Thallium	209		1.00	ug/L	200	0.0572	105	80-120			

FLAGS/NOTES AND DEFINITIONS

- B The analyte was detected in the associated method blank.
- D The sample was analyzed at dilution.
- J The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
- U The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- MRL Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
- QM-08 Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).

Environmental Conservation Laboratories, Inc.

102-A Woodwinds Industrial Court

Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515



www.encolabs.com

Thursday, May 3, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: White Street Landfill App Is (SMWs)

ENCO Workorder(s): C204205

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, April 20, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Chuck Smith".

Chuck Smith

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	4103-SMW1	Lab ID:	C204205-01	Sampled:	04/19/12 16:10	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/03/12		05/02/12	10:35	5/2/2012	15:26
Client ID:	4103-SMW3	Lab ID:	C204205-02	Sampled:	04/19/12 13:55	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/03/12		05/02/12	10:35	5/2/2012	15:55
Client ID:	4103-SMW4	Lab ID:	C204205-03	Sampled:	04/19/12 12:15	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/03/12		05/02/12	10:35	5/2/2012	16:25
Client ID:	4103-II9	Lab ID:	C204205-04	Sampled:	04/19/12 14:40	Received:	04/20/12 13:00
Parameter		Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B		05/03/12		05/02/12	10:35	5/2/2012	16:54

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-SMW3		Lab ID: C204205-02								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane		5.4		1	0.13	1.0	5	ug/L	EPA 8260B	
cis-1,2-Dichloroethene		12		1	0.15	1.0	5	ug/L	EPA 8260B	
Client ID: 4103-II9		Lab ID: C204205-04								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane		6.9		1	0.13	1.0	5	ug/L	EPA 8260B	
cis-1,2-Dichloroethene		16		1	0.15	1.0	5	ug/L	EPA 8260B	
Vinyl chloride		1.0		1	0.32	1.0	1	ug/L	EPA 8260B	

ANALYTICAL RESULTS

Description: 4103-SMW1

Lab Sample ID: C204205-01

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 16:10

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/12 15:26	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/12 15:26	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/02/12 15:26	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/02/12 15:26	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/02/12 15:26	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/02/12 15:26	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/02/12 15:26	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/02/12 15:26	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/02/12 15:26	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/02/12 15:26	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/02/12 15:26	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 15:26	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/02/12 15:26	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 15:26	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/02/12 15:26	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/02/12 15:26	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 15:26	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/02/12 15:26	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 15:26	JKG	

Description: 4103-SMW1

Lab Sample ID: C204205-01

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 16:10

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/02/12 15:26	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/02/12 15:26	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/02/12 15:26	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	47	1	50.0	94 %	51-122		2E02016	EPA 8260B	05/02/12 15:26	JKG	
Dibromofluoromethane	48	1	50.0	97 %	68-117		2E02016	EPA 8260B	05/02/12 15:26	JKG	
Toluene-d8	48	1	50.0	95 %	67-127		2E02016	EPA 8260B	05/02/12 15:26	JKG	

Description: 4103-SMW3

Lab Sample ID: C204205-02

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 13:55

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/12 15:55	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
1,1-Dichloroethane [75-34-3] ^	5.4		ug/L	1	0.13	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/12 15:55	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/02/12 15:55	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/02/12 15:55	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/02/12 15:55	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/02/12 15:55	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/02/12 15:55	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/02/12 15:55	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/02/12 15:55	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/02/12 15:55	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/02/12 15:55	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 15:55	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/02/12 15:55	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	12		ug/L	1	0.15	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 15:55	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/02/12 15:55	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/02/12 15:55	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 15:55	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/02/12 15:55	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/12 15:55	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/02/12 15:55	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/02/12 15:55	JKG	

Description: 4103-SMW3

Lab Sample ID: C204205-02

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 13:55

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/02/12 15:55	JKG	
Surrogates											
4-Bromofluorobenzene	48	1	50.0	96 %	51-122	2E02016	EPA 8260B	05/02/12 15:55	JKG		
Dibromofluoromethane	48	1	50.0	96 %	68-117	2E02016	EPA 8260B	05/02/12 15:55	JKG		
Toluene-d8	49	1	50.0	98 %	67-127	2E02016	EPA 8260B	05/02/12 15:55	JKG		

Description: 4103-SMW4

Lab Sample ID: C204205-03

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 12:15

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/12 16:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/12 16:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/02/12 16:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/02/12 16:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/02/12 16:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/02/12 16:25	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/02/12 16:25	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/02/12 16:25	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/02/12 16:25	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/02/12 16:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/02/12 16:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 16:25	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/02/12 16:25	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 16:25	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/02/12 16:25	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/02/12 16:25	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 16:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/02/12 16:25	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/12 16:25	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/02/12 16:25	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	05/02/12 16:25	JKG	

Description: 4103-SMW4

Lab Sample ID: C204205-03

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 12:15

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/02/12 16:25	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	46	1	50.0	93 %	51-122		2E02016	EPA 8260B	05/02/12 16:25	JKG	
Dibromofluoromethane	47	1	50.0	94 %	68-117		2E02016	EPA 8260B	05/02/12 16:25	JKG	
Toluene-d8	47	1	50.0	95 %	67-127		2E02016	EPA 8260B	05/02/12 16:25	JKG	

Description: 4103-II9

Lab Sample ID: C204205-04

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 14:40

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/02/12 16:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
1,1-Dichloroethane [75-34-3] ^	6.9		ug/L	1	0.13	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/02/12 16:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/02/12 16:54	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/02/12 16:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/02/12 16:54	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/02/12 16:54	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/02/12 16:54	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	05/02/12 16:54	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	05/02/12 16:54	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	05/02/12 16:54	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/02/12 16:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 16:54	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	05/02/12 16:54	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	16		ug/L	1	0.15	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	05/02/12 16:54	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	05/02/12 16:54	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/02/12 16:54	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	05/02/12 16:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/02/12 16:54	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/02/12 16:54	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/02/12 16:54	JKG	
Vinyl chloride [75-01-4] ^	1.0		ug/L	1	0.32	1.0	1	EPA 8260B	05/02/12 16:54	JKG	

Description: 4103-II9

Lab Sample ID: C204205-04

Received: 04/20/12 13:00

Matrix: Ground Water

Sampled: 04/19/12 14:40

Work Order: C204205

Project: White Street Landfill App Is (SMWs)

Sampled By: Michael Cook

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	05/02/12 16:54	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	47	1	50.0	94 %	51-122		2E02016	EPA 8260B	05/02/12 16:54	JKG	
Dibromofluoromethane	48	1	50.0	95 %	68-117		2E02016	EPA 8260B	05/02/12 16:54	JKG	
Toluene-d8	48	1	50.0	95 %	67-127		2E02016	EPA 8260B	05/02/12 16:54	JKG	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E02016 - EPA 5030B_MS

Blank (2E02016-BLK1)

Prepared: 05/02/2012 10:35 Analyzed: 05/02/2012 12:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

Surrogate: 4-Bromofluorobenzene

47

ug/L

50.0

94

51-122

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2E02016 - EPA 5030B_MS

Blank (2E02016-BLK1) Continued

Prepared: 05/02/2012 10:35 Analyzed: 05/02/2012 12:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	48			ug/L	50.0		96	68-117			
Surrogate: Toluene-d8	48			ug/L	50.0		97	67-127			

LCS (2E02016-BS1)

Prepared: 05/02/2012 10:35 Analyzed: 05/02/2012 12:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	75-133			
Benzene	21		1.0	ug/L	20.0		105	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		101	83-117			
Toluene	20		1.0	ug/L	20.0		100	71-118			
Trichloroethene	20		1.0	ug/L	20.0		98	82-118			

Matrix Spike (2E02016-MS1)

Prepared: 05/02/2012 10:35 Analyzed: 05/02/2012 13:28

Source: C204966-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.21 U	116	75-133			
Benzene	21		1.0	ug/L	20.0	0.15 U	106	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	107	83-117			
Toluene	21		1.0	ug/L	20.0	0.14 U	107	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	103	82-118			

Matrix Spike Dup (2E02016-MSD1)

Prepared: 05/02/2012 10:35 Analyzed: 05/02/2012 13:58

Source: C204966-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	104	75-133	10	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	98	81-134	8	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	96	83-117	11	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	96	71-118	11	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	93	82-118	10	15	

FLAGS/NOTES AND DEFINITIONS

- B The analyte was detected in the associated method blank.
- D The sample was analyzed at dilution.
- J The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
- U The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- MRL Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

APPENDIX III

Descriptive Statistics

Basic Statistics

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	548
Total Non-Detects	397 (72.4453%)
Pooled Mean	8.74297
Pooled Std Dev	23.8809
Compliance Meas.	468
Compliance Mean	9.3828
Compliance Std Dev	25.7911
Background Meas.	80
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	41	41	100	205
MW-14	39	39	100	195
Location	Mean	Std Dev	Std Err	Rank Sum
MW-13	5	0	0	8159
MW-14	5	0	0	7761
Rank Mean				199

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	43	27	62.7907	353.6
II-2	43	18	41.8605	409.1
II-3	43	27	62.7907	297.9
II-4	42	32	76.1905	179.9
II-5	42	14	33.3333	327.17
II-8	41	27	65.8537	173.97
I-5	40	34	85	243.1
II-6	39	39	100	195
II-7	40	13	32.5	1737.79
II-7B	27	19	70.3704	113.62
II-10	17	17	100	85
II-11	17	17	100	85
II-12	17	17	100	85
II-9	17	16	94.1176	105
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	8.22326	14.9964	3.22326	4.16874
II-2	9.51395	4.85801	4.51395	4.16874
II-3	6.92791	3.28969	1.92791	4.16874
II-4	4.28333	1.31036	-0.716667	4.20089
II-5	7.78976	5.04108	2.78976	4.20089
II-8	4.24317	1.87795	-0.756829	4.23435
I-5	6.0775	3.05928	1.0775	4.26921
II-6	5	0	0	4.30554
II-7	43.4448	79.3585	38.4448	4.26921
II-7B	4.20815	1.62353	-0.791852	4.90678
II-10	5	0	0	5.88773
II-11	5	0	0	5.88773
II-12	5	0	0	5.88773
II-9	6.17647	4.85071	1.17647	5.88773
Rank Sum				3718
Rank Mean				218.706

Analysis of Variance Statistics

SS Wells	53384.1
SS Total	311952

Kruskal-Wallis Statistics

Non-Detect Rank	199
Background Rank Sum	15920
Background Rank Mean	199
H Statistic	106.091
H Adjusted for Ties	171 174

Basic Statistics

Parameter: Tetrachloroethylene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	548
Total Non-Detects	505 (92.1533%)
Pooled Mean	6.52383
Pooled Std Dev	13.8409
Compliance Meas.	468
Compliance Mean	6.78432
Compliance Std Dev	14.964
Background Meas.	80
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	41	41	100	205
MW-14	39	39	100	195
Location	Mean	Std Dev	Std Err	Rank Sum
MW-13	5	0	0	10373
MW-14	5	0	0	9867
Rank Mean				253

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	43	43	100	215
II-2	43	32	74.4186	203.1
II-3	43	43	100	215
II-4	42	42	100	210
II-5	42	42	100	210
II-8	41	41	100	205
I-5	40	40	100	200
II-6	39	39	100	195
II-7	40	15	37.5	1077.07
II-7B	27	20	74.0741	104.89
II-10	17	17	100	85
II-11	17	17	100	85
II-12	17	17	100	85
II-9	17	17	100	85
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	5	0	0	2.41523
II-2	4.72326	0.724022	-0.276744	2.41523
II-3	5	0	0	2.41523
II-4	5	0	0	2.43386
II-5	5	0	0	2.43386
II-8	5	0	0	2.45325
I-5	5	0	0	2.47344
II-6	5	0	0	2.49449
II-7	26.9267	47.1423	21.9267	2.47344
II-7B	3.88481	1.93547	-1.11519	2.84283
II-10	5	0	0	3.41116
II-11	5	0	0	3.41116
II-12	5	0	0	3.41116
II-9	5	0	0	3.41116
Rank Sum				253
Rank Mean				322.279

Analysis of Variance Statistics

SS Wells	17995.7
SS Total	104788

Kruskal-Wallis Statistics

Non-Detect Rank	253
Background Rank Sum	20240
Background Rank Mean	253
H Statistic	51.8176
H Adjusted for Ties	238.336

Basic Statistics

Parameter: Trichloroethylene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	548
Total Non-Detects	521 (95.073%)
Pooled Mean	6.23631
Pooled Std Dev	11.3697
Compliance Meas.	468
Compliance Mean	6.45577
Compliance Std Dev	12.2904
Background Meas	80
Background Mean	4.9525
Background Std Dev	0.424853

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total	
MW-13	41	40	97.561	201.2	
MW-14	39	39	100	195	
Location	Mean	Std Dev	Std Err	Rank Sum	
MW-13	4.90732	0.59346	0	10967	
MW-14	5	0	0	10179	
Rank Mean	267.488	261			

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	43	39	90.6977	198.82
II-2	43	33	76.7442	203.9
II-3	43	43	100	215
II-4	42	42	100	210
II-5	42	41	97.619	205.9
II-8	41	41	100	205
I-5	40	40	100	200
II-6	39	39	100	195
II-7	40	29	72.5	912.68
II-7B	27	27	100	135
II-10	17	17	100	85
II-11	17	17	100	85
II-12	17	17	100	85
II-9	17	17	100	85
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	4.62372	1.2018	-0.328779	1.98864
II-2	4.74186	0.676205	-0.21064	1.98864
II-3	5	0	0.0475	1.98864
II-4	5	0	0.0475	2.00398
II-5	4.90238	0.632644	-0.050119	2.00398
II-8	5	0	0.0475	2.01994
I-5	5	0	0.0475	2.03656
II-6	5	0	0.0475	2.05389
II-7	22.817	38.8059	17.8645	2.03656
II-7B	5	0	0.0475	2.34071
II-10	5	0	0.0475	2.80866
II-11	5	0	0.0475	2.80866
II-12	5	0	0.0475	2.80866
II-9	5	0	0.0475	2.80866
Rank Sum	12279	13948	11223	11226
Rank Mean	285.558	324.372	261	261
10962	10179	10701	10440	10179
267.286	4437	4437	4437	4437
338.175	7047	13527	10179	261
261	4437	4437	4437	261
261	4437	4437	4437	261
261	4437	4437	4437	261

Analysis of Variance Statistics

SS Wells	11869.9
SS Total	70710.3

Kruskal-Wallis Statistics

Non-Detect Rank	261
Background Rank Sum	21146
Background Rank Mean	264.325
H Statistic	13.5428
H Adjusted for Ties	96.2892

Basic Statistics

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	548
Total Non-Detects	524 (95.6204%)
Pooled Mean	9.85734
Pooled Std Dev	3.87262
Compliance Meas.	468
Compliance Mean	9.83295
Compliance Std Dev	4.19073
Background Meas.	80
Background Mean	10
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	41	41	100	410
MW-14	39	39	100	390
Location	Mean	Std Dev	Std Err	Rank Sum
MW-13	10	0	0	10762.5
MW-14	10	0	0	10237.5
Rank Mean				262.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	43	36	83.7209	467.15
II-2	43	33	76.7442	369.6
II-3	43	40	93.0233	401.35
II-4	42	42	100	420
II-5	42	42	100	420
II-8	41	41	100	410
I-5	40	40	100	400
II-6	39	39	100	390
II-7	40	37	92.5	371.72
II-7B	27	27	100	270
II-10	17	17	100	170
II-11	17	17	100	170
II-12	17	17	100	170
II-9	17	16	94.1176	172
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	10.864	13.1485	0.863953	0.735937
II-2	8.59535	2.63836	-1.40465	0.735937
II-3	9.33372	2.4617	-0.666279	0.735937
II-4	10	0	0	0.741613
II-5	10	0	0	0.741613
II-8	10	0	0	0.74752
I-5	10	0	0	0.753673
II-6	10	0	0	0.760087
II-7	9.293	2.51493	-0.707	0.753673
II-7B	10	0	0	0.866228
II-10	10	0	0	1.0394
II-11	10	0	0	1.0394
II-12	10	0	0	1.0394
II-9	10.1176	0.485071	0.117647	1.0394
Rank Sum				279.235
Rank Mean				307.14

Analysis of Variance Statistics

SS Wells	145.101
SS Total	8203.45

Kruskal-Wallis Statistics

Non-Detect Rank	262.5
Background Rank Sum	21000
Background Rank Mean	262.5
H Statistic	8.84903
H Adjusted for Ties	70.3885

Basic Statistics

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	532
Total Non-Detects	502 (94.3609%)
Pooled Mean	9.70977
Pooled Std Dev	1.65358
Compliance Meas.	454
Compliance Mean	9.77559
Compliance Std Dev	1.5764
Background Meas.	78
Background Mean	9.32667
Background Std Dev	2.0155

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	40	38	95	386.13
MW-14	38	32	84.2105	341.35

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.65325	1.53809	0	10583	264.575
MW-14	8.98289	2.39239	0	11150	293.421

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	42	40	95.2381	404.06
II-2	42	40	95.2381	404.8
II-3	42	40	95.2381	407.29
II-4	41	40	97.561	402.5
II-5	41	36	87.8049	374.44
II-8	40	39	97.5	400.1
I-5	39	38	97.4359	403
II-6	38	35	92.1053	378.52
II-7	39	38	97.4359	383.1
II-7B	26	23	88.4615	245.41
II-10	16	16	100	160
II-11	16	16	100	160
II-12	16	15	93.75	154.9
II-9	16	16	100	160

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	9.62048	1.73285	0.29381	0.314078	11075	263.69
II-2	9.6381	1.66703	0.311429	0.314078	11083	263.881
II-3	9.69738	1.39291	0.370714	0.314078	11093	264.119
II-4	9.81707	1.1713	0.490407	0.316558	10570	257.805
II-5	9.13268	2.47762	-0.193984	0.316558	11618	283.366
II-8	10.0025	0.0158114	0.675833	0.319141	10338.5	258.462
I-5	10.3333	2.08167	1.00667	0.321834	10089	258.692
II-6	9.96105	2.12883	0.634386	0.324645	10375.5	273.039
II-7	9.82308	1.10488	0.49641	0.321834	10072	258.256
II-7B	9.43885	1.61742	0.112179	0.371622	7361.5	283.135
II-10	10	0	0.673333	0.450376	4024	251.5
II-11	10	0	0.673333	0.450376	4024	251.5
II-12	9.68125	1.275	0.354583	0.450376	4297.5	268.594
II-9	10	0	0.673333	0.450376	4024	251.5

Analysis of Variance Statistics

SS Wells	62.3452
SS Total	1451.93

Kruskal-Wallis Statistics

Non-Detect Rank	251.5
Background Rank Sum	21733
Background Rank Mean	278.628
H Statistic	230198
H Adjusted for Ties	14.4042

Basic Statistics

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	532
Total Non-Detects	357 (67.1053%)
Pooled Mean	419.423
Pooled Std Dev	221.54
Compliance Meas.	454
Compliance Mean	424.268
Compliance Std Dev	218.811
Background Meas.	78
Background Mean	391.224
Background Std Dev	236.309

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	40	27	67.5	14988.9
MW-14	38	23	60.5263	15526.6
Location	Mean	Std Dev	Std Err	Rank Sum
MW-13	374.722	182.947	0	10623
MW-14	408.595	283.422	0	10432
Rank Mean				
				265.575
				274.526

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	42	24	57.1429	18696.2
II-2	42	28	66.6667	15762.3
II-3	42	24	57.1429	17130
II-4	41	20	48.7805	22232
II-5	41	27	65.8537	14772
II-8	40	27	67.5	14509.9
I-5	39	36	92.3077	18244
II-6	38	25	65.7895	16242.9
II-7	39	28	71.7949	14319.8
II-7B	26	16	61.5385	8108.6
II-10	16	16	100	8000
II-11	16	16	100	8000
II-12	16	4	25	8600
II-9	16	16	100	8000
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	445.148	183.512	53.9233	41.221
II-2	375.293	228.166	-15.9315	41.221
II-3	407.857	186.144	16.6328	41.221
II-4	542.244	412.192	151.02	41.5464
II-5	360.293	196.91	-30.9317	41.5464
II-8	362.748	201.077	-28.4769	41.8855
I-5	467.795	113.172	76.5705	42.2389
II-6	427.445	148.737	36.2204	42.6078
II-7	367.174	215.084	-24.05	42.2389
II-7B	311.869	242.685	-79.3551	48.7733
II-10	500	0	108.776	59.1094
II-11	500	0	108.776	59.1094
II-12	537.5	132.45	146.276	59.1094
II-9	500	0	108.776	59.1094
Rank Sum				2864
Rank Mean				179

Analysis of Variance Statistics

SS Wells	2.12556e+006
SS Total	2.60614e+007

Kruskal-Wallis Statistics

Non-Detect Rank	179
Background Rank Sum	21055
Background Rank Mean	269.936
H Statistic	56.1773
H Adjusted for Ties	80.5041

Basic Statistics

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	532
Total Non-Detects	385 (72.3684%)
Pooled Mean	13.2753
Pooled Std Dev	18.3644
Compliance Meas.	454
Compliance Mean	13.9763
Compliance Std Dev	19.7716
Background Meas.	78
Background Mean	9.19487
Background Std Dev	2.48039

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	40	37	92.5	383.27
MW-14	38	24	63.1579	333.93
Location	Mean	Std Dev	Std Err	Rank Sum
MW-13	9.58175	1.62682	0	8412
MW-14	8.78763	3.11154	0	10742
Rank Mean				
				210.3
				282.684

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	42	20	47.619	982.09
II-2	42	30	71.4286	542.69
II-3	42	25	59.5238	554.05
II-4	41	22	53.6585	605.37
II-5	41	26	63.4146	525.67
II-8	40	34	85	366.9
I-5	39	27	69.2308	1093.7
II-6	38	27	71.0526	436.86
II-7	39	30	76.9231	370.67
II-7B	26	24	92.3077	242.25
II-10	16	16	100	160
II-11	16	16	100	160
II-12	16	11	68.75	145
II-9	16	16	100	160
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	23.3831	33.3392	14.1882	3.39446
II-2	12.9212	9.31786	3.72632	3.39446
II-3	13.1917	12.6149	3.99679	3.39446
II-4	14.7651	14.5705	5.57025	3.42126
II-5	12.8212	9.9235	3.62635	3.42126
II-8	9.1725	2.46295	-0.0223718	3.44918
I-5	28.0436	48.6887	18.8487	3.47829
II-6	11.4963	7.40464	2.30144	3.50867
II-7	9.50436	4.69755	0.309487	3.47829
II-7B	9.31731	2.4135	0.122436	4.01638
II-10	10	0	0.805128	4.86753
II-11	10	0	0.805128	4.86753
II-12	9.0625	5.37351	-0.132372	4.86753
II-9	10	0	0.805128	4.86753
Rank Sum				3088
Rank Mean				193

Analysis of Variance Statistics

SS Wells	16767.4
SS Total	179081

Kruskal-Wallis Statistics

Non-Detect Rank	193
Background Rank Sum	19154
Background Rank Mean	245.564
H Statistic	39.3107
H Adjusted for Ties	63.3028

Basic Statistics

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	532
Total Non-Detects	385 (72.3684%)
Pooled Mean	45.8759
Pooled Std Dev	46.1073
Compliance Meas.	454
Compliance Mean	47.5882
Compliance Std Dev	48.9981
Background Meas.	78
Background Mean	35.9094
Background Std Dev	20.4485

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	40	28	70	1182.63
MW-14	38	32	84.2105	1618.3
Location	Mean	Std Dev	Std Err	Rank Sum
MW-13	29.5658	16.2655	0	10425
MW-14	42.5868	22.4058	0	8902

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	42	27	64.2857	2246
II-2	42	25	59.5238	2035.68
II-3	42	28	66.6667	2119.97
II-4	41	18	43.9024	3284.4
II-5	41	25	60.9756	1278.7
II-8	40	29	72.5	2020.81
I-5	39	31	79.4872	2442
II-6	38	29	76.3158	1440.47
II-7	39	35	89.7436	1465
II-7B	26	16	61.5385	739.48
II-10	16	16	100	640
II-11	16	16	100	640
II-12	16	14	87.5	612.52
II-9	16	16	100	640
Location	Mean	Std Dev	Dif From Bkg	Std Err
II-1	53.4762	47.6794	17.5668	8.55061
II-2	48.4686	43.5808	12.5592	8.55061
II-3	50.4755	52.4175	14.5661	8.55061
II-4	80.1073	88.0355	44.198	8.61812
II-5	31.1878	17.3375	-4.72155	8.61812
II-8	50.5202	68.6195	14.6109	8.68844
I-5	62.6154	70.9583	26.706	8.76177
II-6	37.9071	16.612	1.99775	8.83829
II-7	37.5641	8.88415	1.65474	8.76177
II-7B	28.4415	15.0007	-7.46782	10.1172
II-10	40	0	4.09064	12.2613
II-11	40	0	4.09064	12.2613
II-12	38.2825	9.88962	2.37314	12.2613
II-9	40	0	4.09064	12.2613

Analysis of Variance Statistics

SS Wells	98918.8
SS Total	1.12885e+006

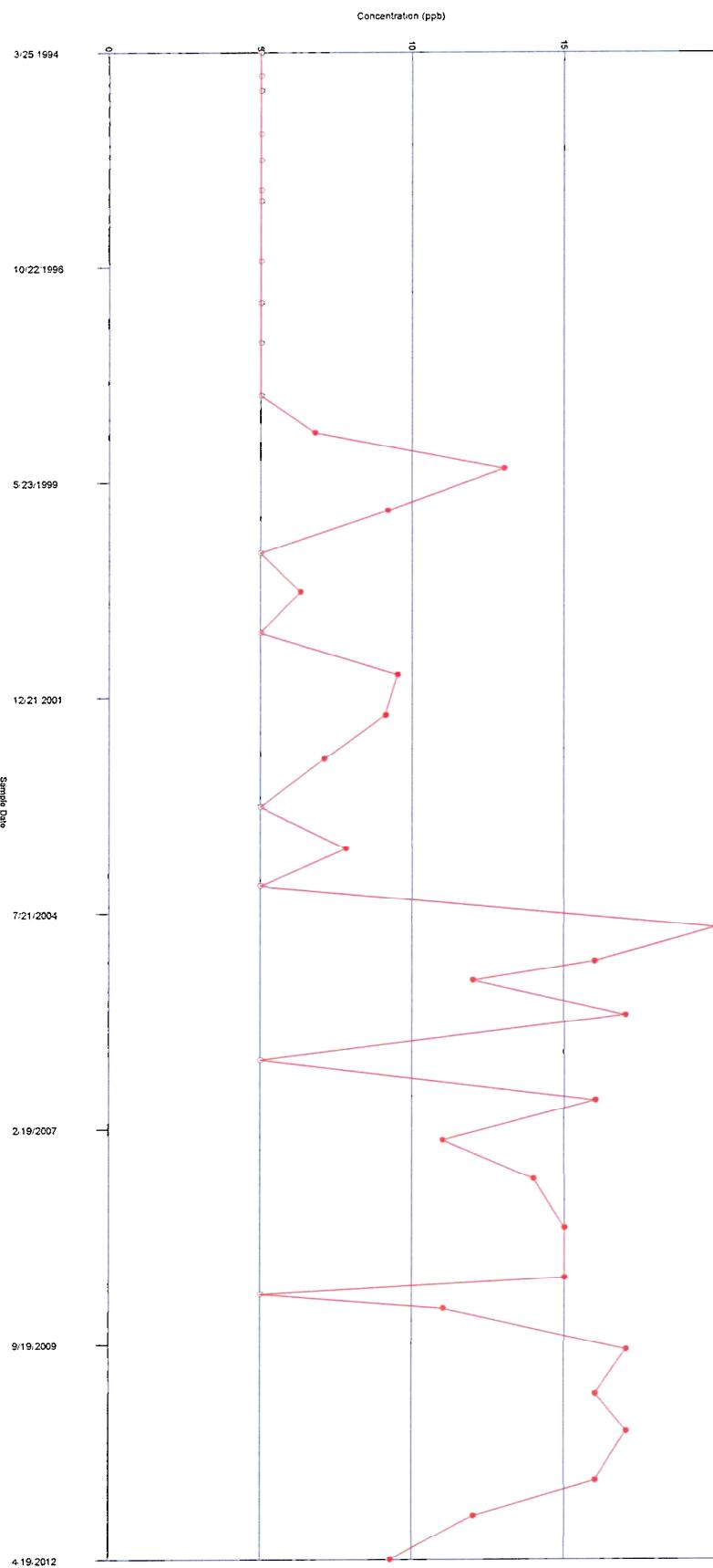
Kruskal-Wallis Statistics

Non-Detect Rank	193
Background Rank Sum	19327
Background Rank Mean	247.782
H Statistic	38 8276
H Adjusted for Ties	62.5248

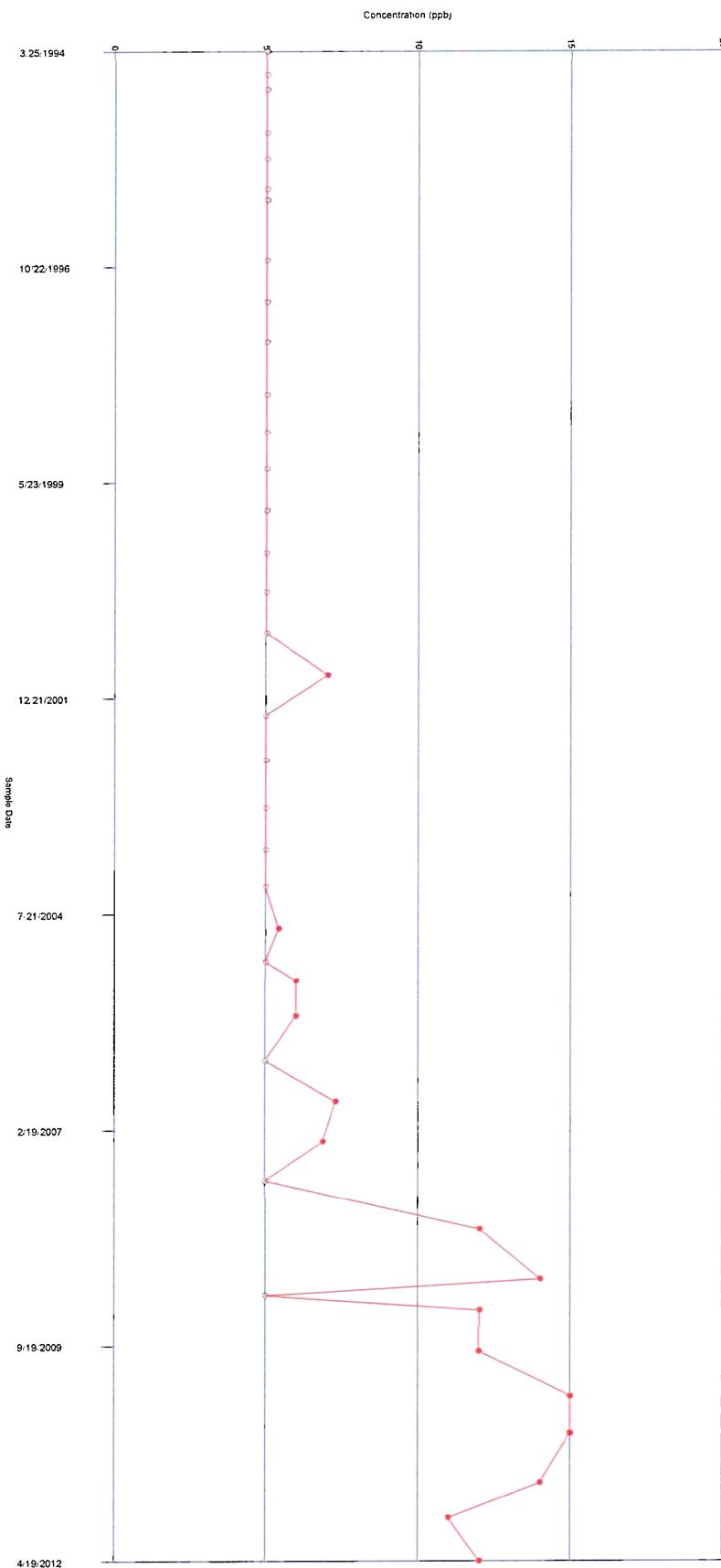
APPENDIX IV

Time vs. Concentration Graphs

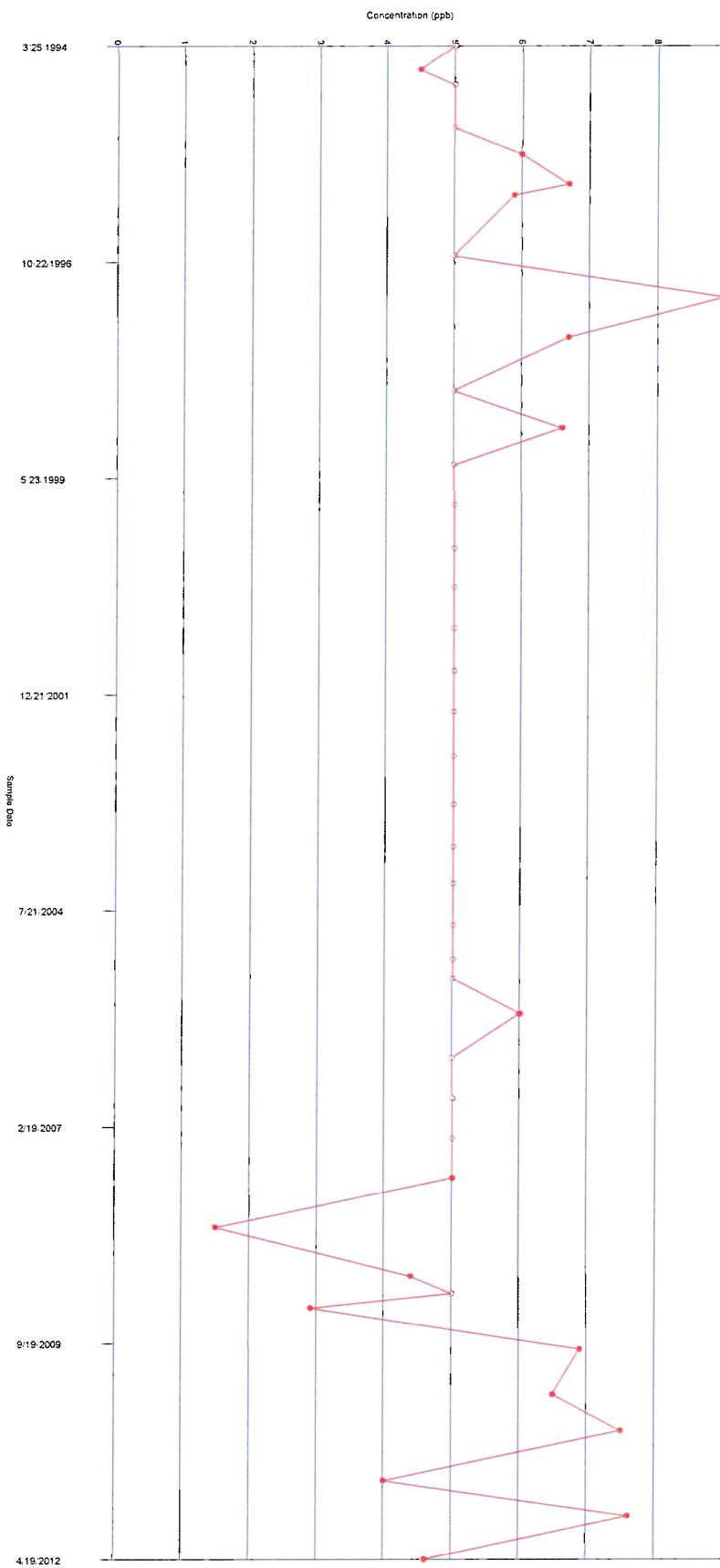
1,1-Dichloroethane
Time-Series Graph of n1:2

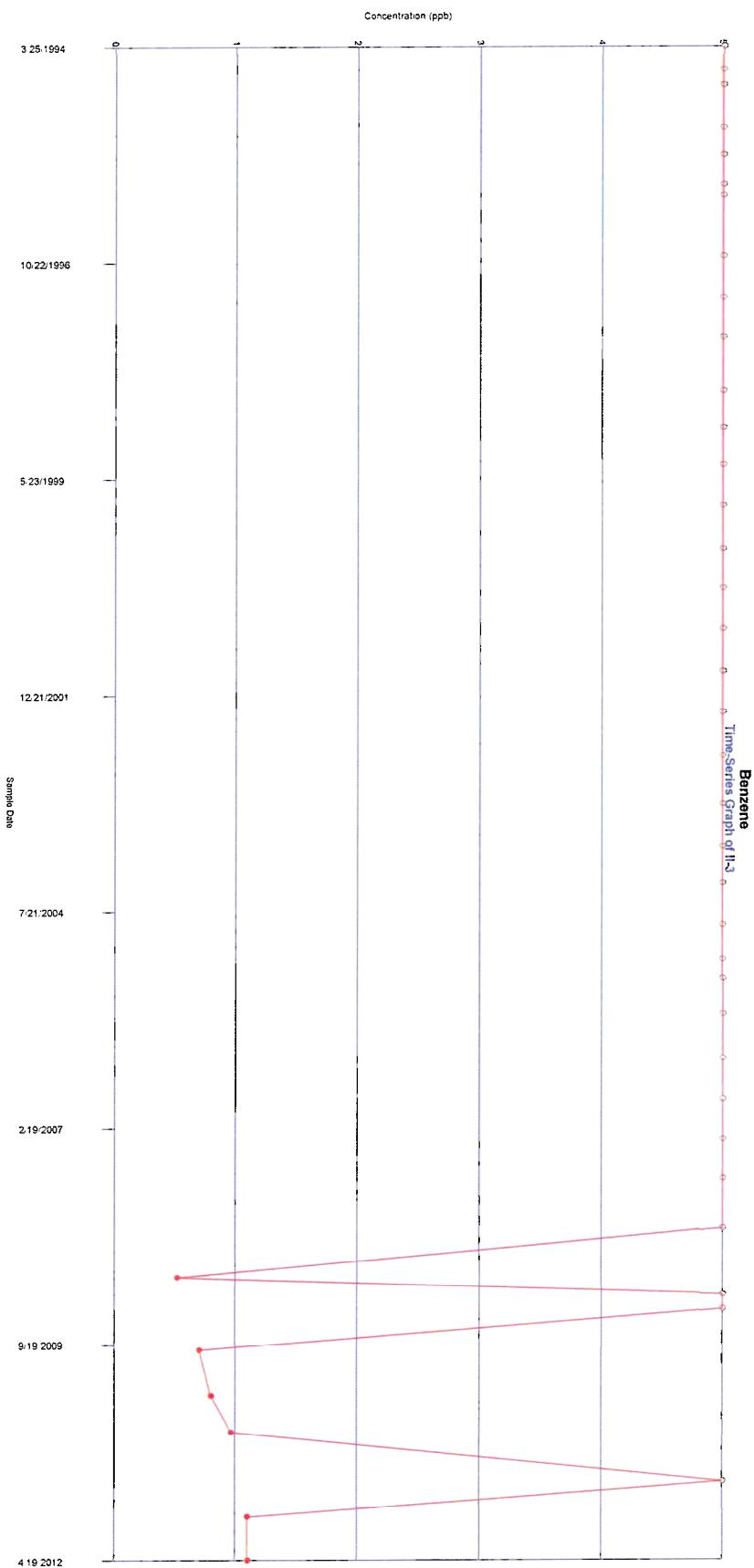


1,1-Dichloroethane
Time-Series Graph of I:3

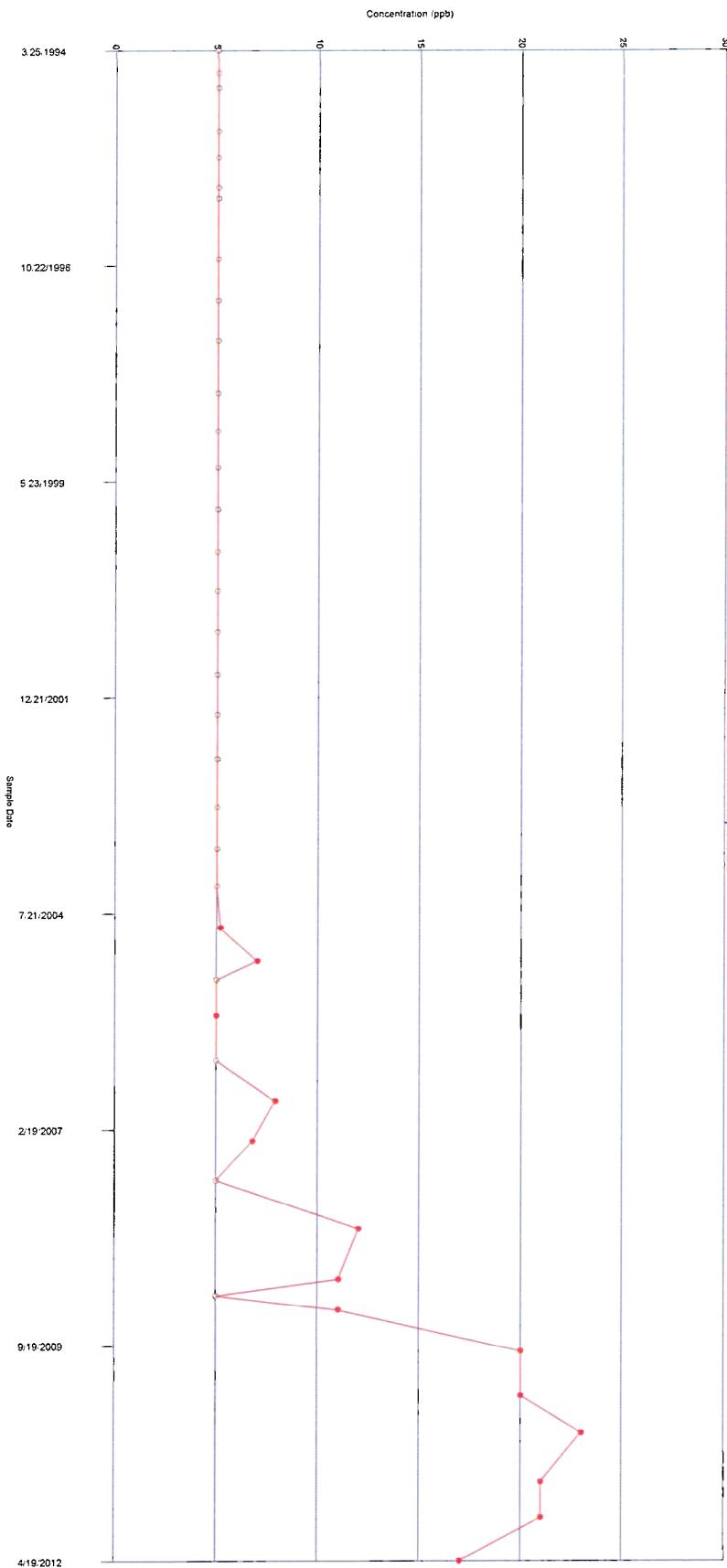


1,4-Dichlorobenzene
Time-Series Graph of II-1

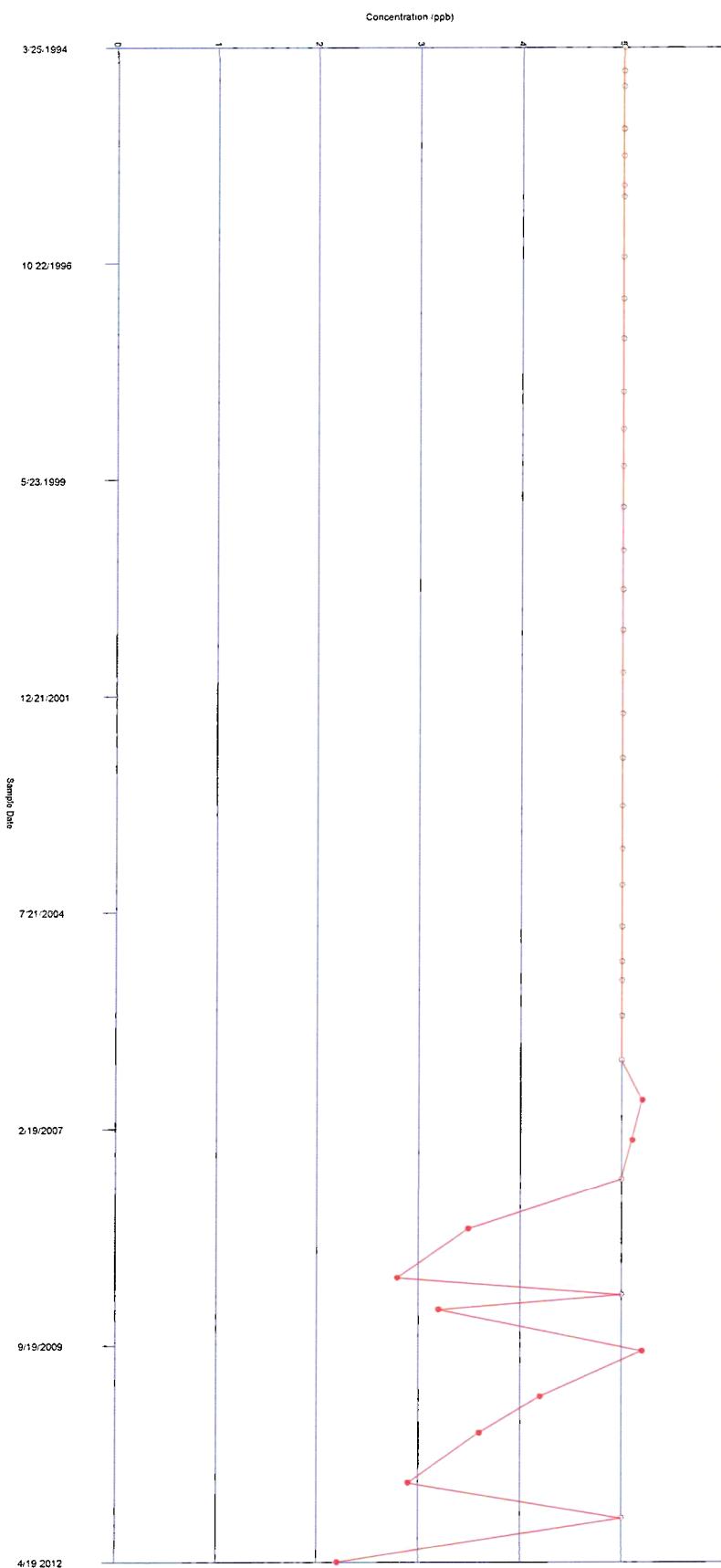




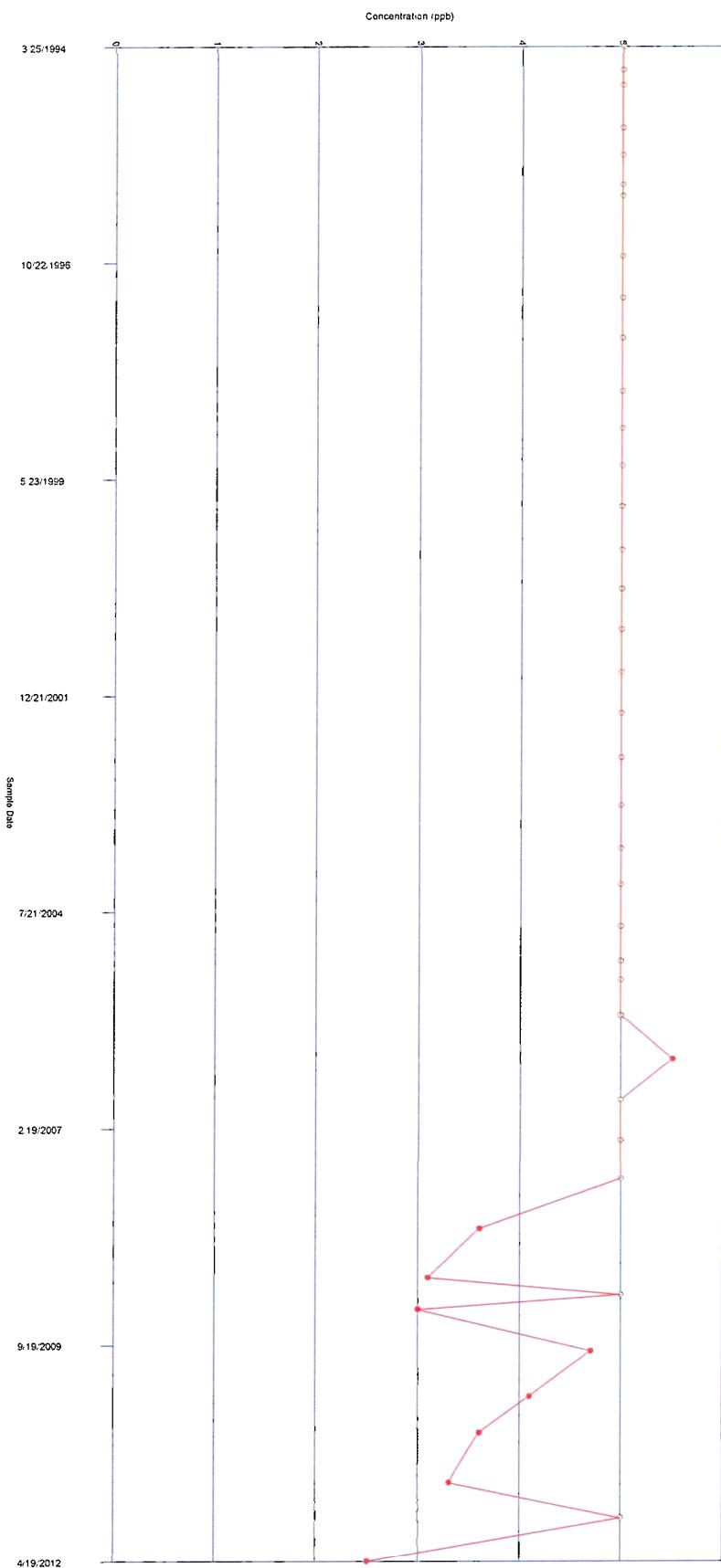
cis-1,2-Dichloroethene (ethylene)
Time-Series Graph of [I^{13} 2]



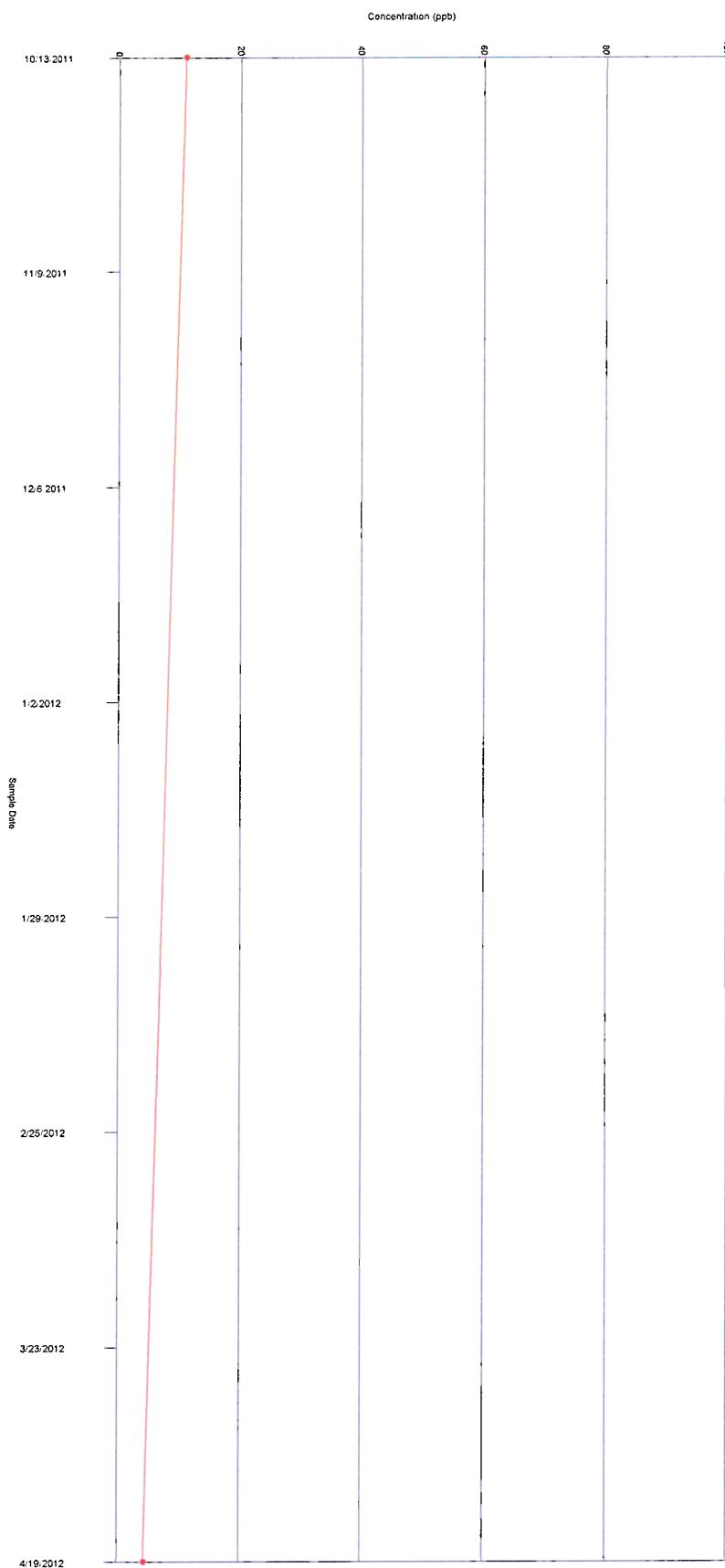
Tetrachloroethene (-ethylene)
Time-Series Graph of I.I.2



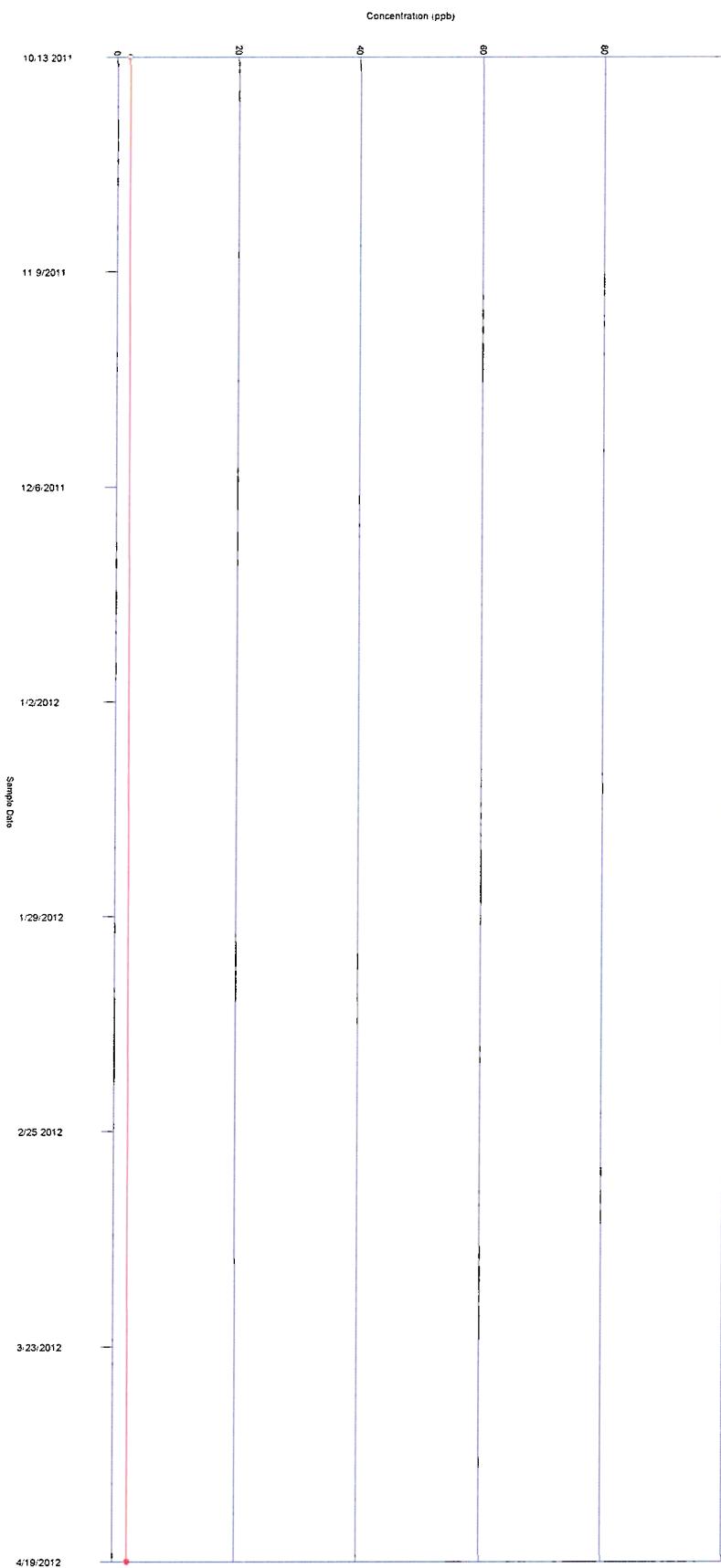
Trichloroethylene (-ethylene)
Time-Series Graph of IL-2



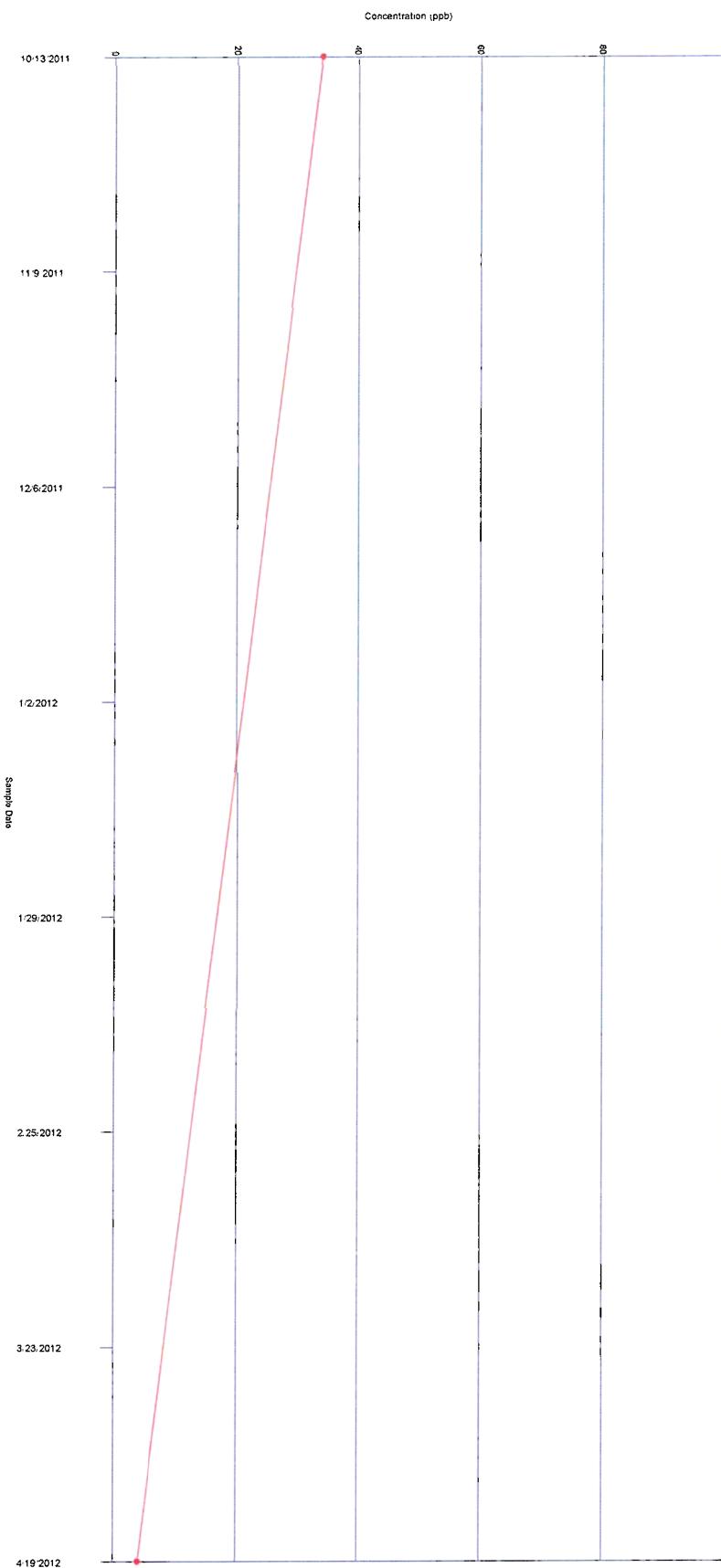
Tetrahydrafuran
Time-Series Graph of II-1



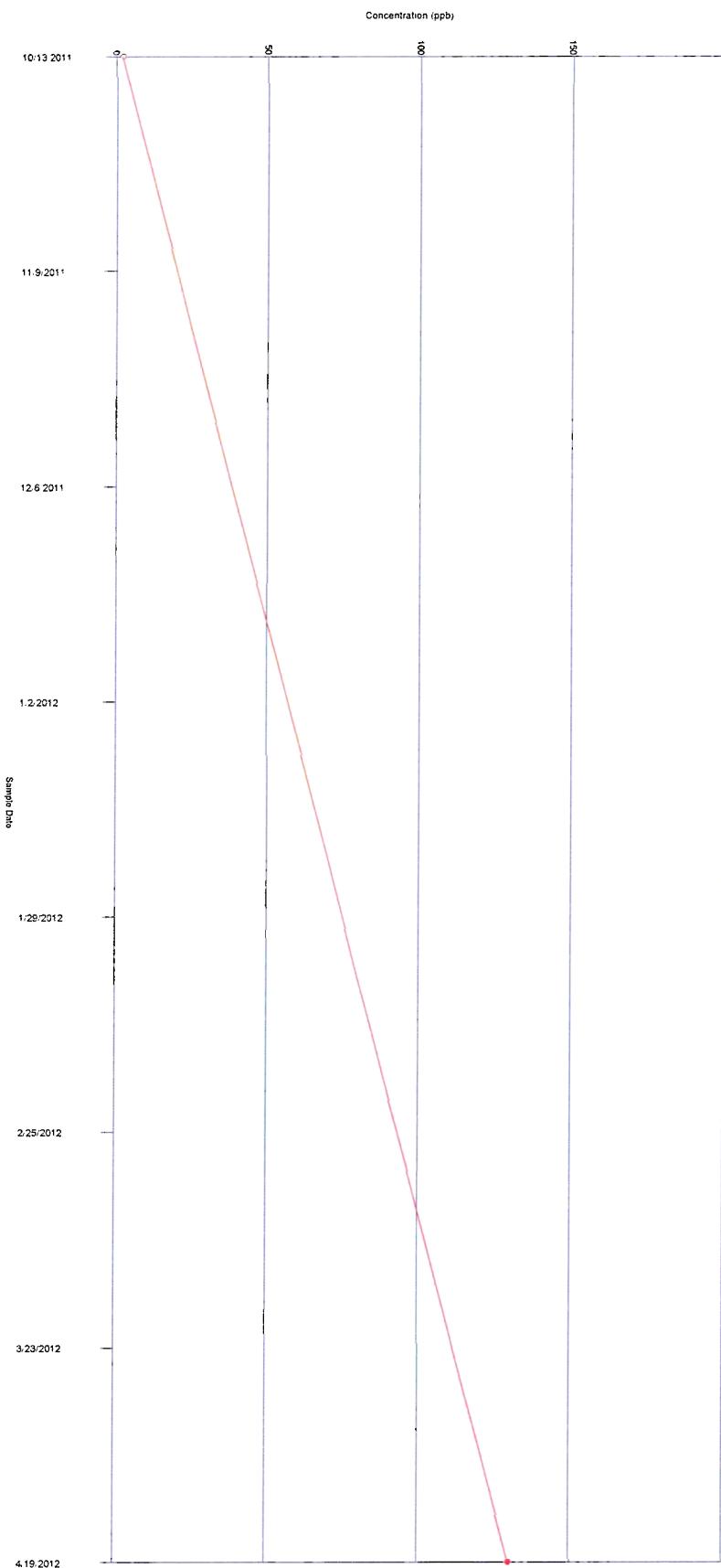
Tetrahydrofuran
Time-Series Graph of II.4



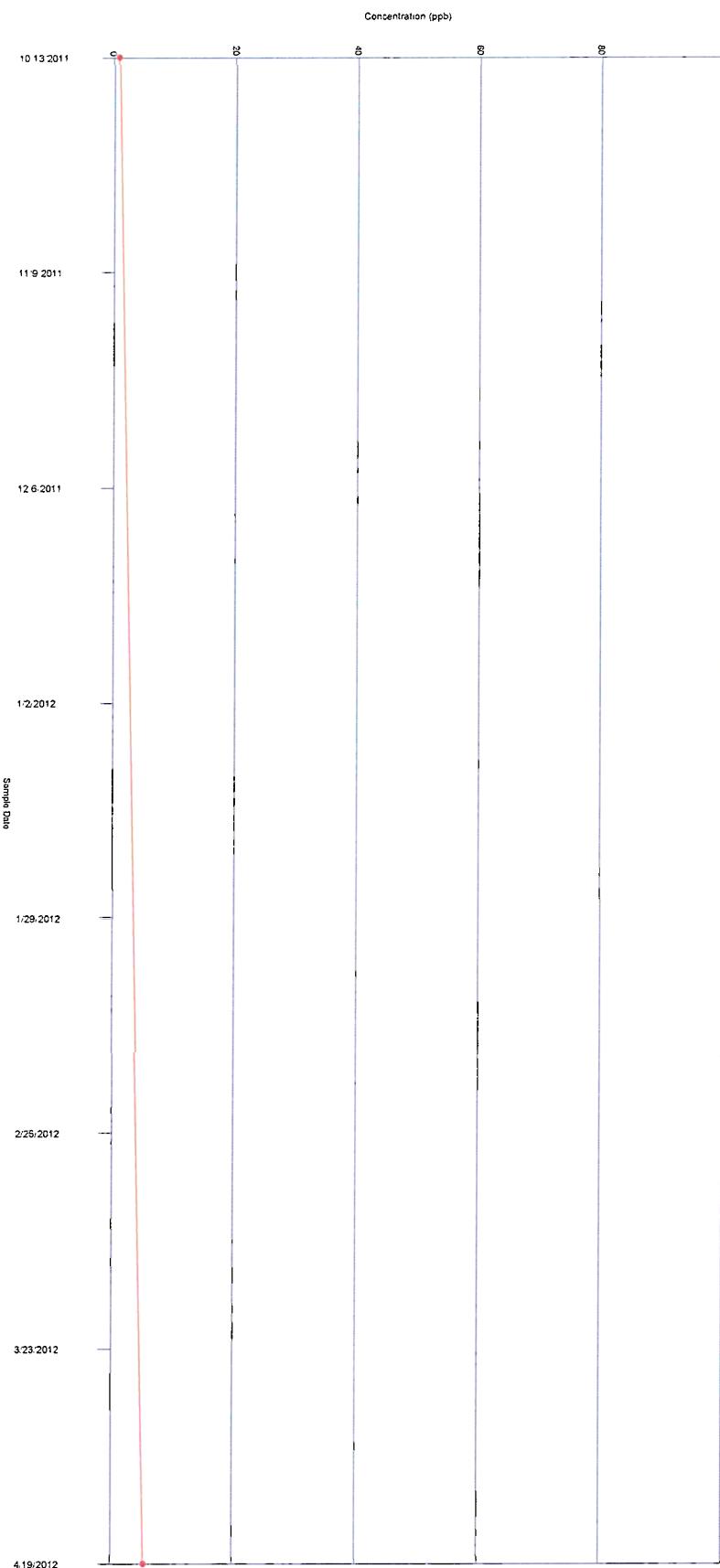
Tetrahydrofuran
Time-Series Graph of II.6

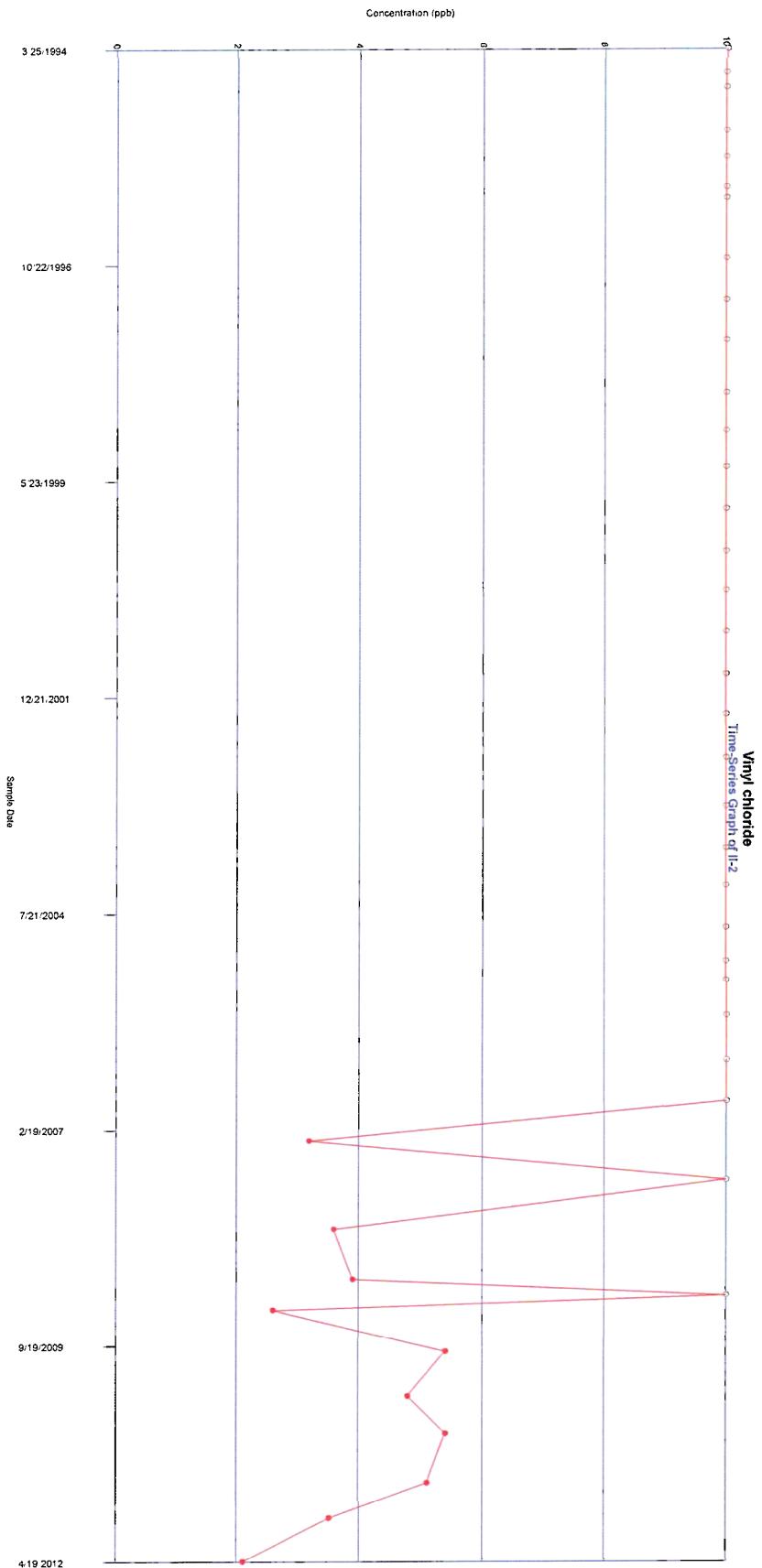


Tetrahydrofuran
Time-Series Graph of II-7B

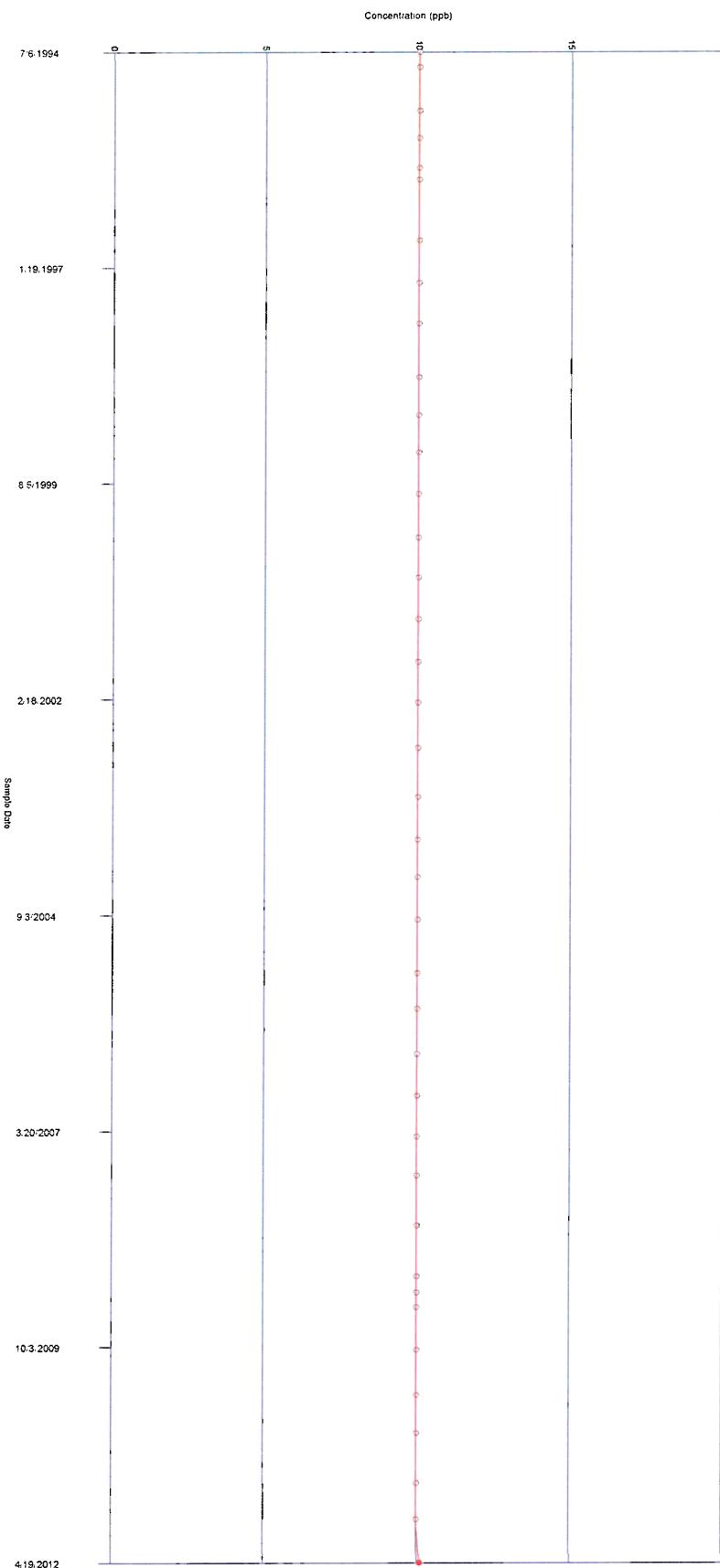


Tetrahydrofuran
Time-Series Graph of II-3

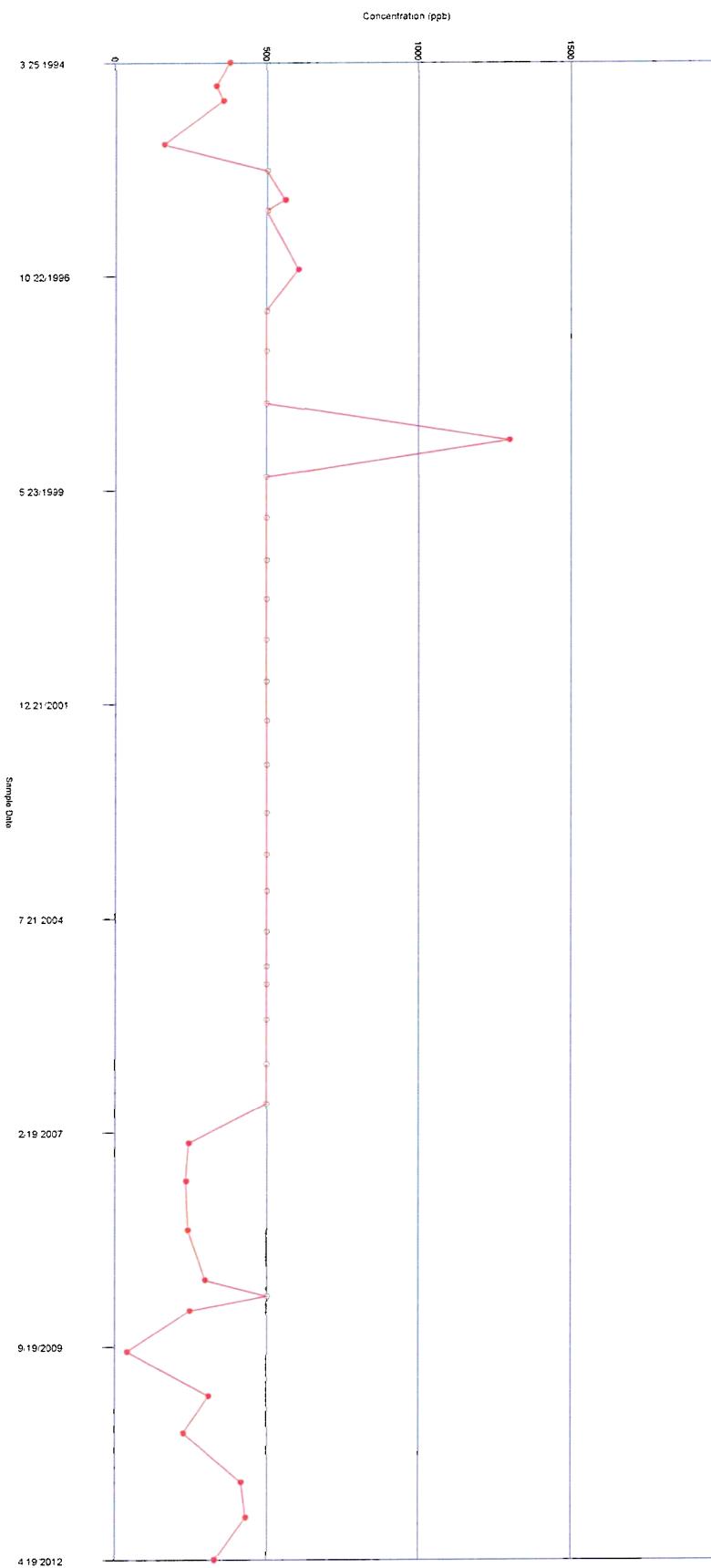


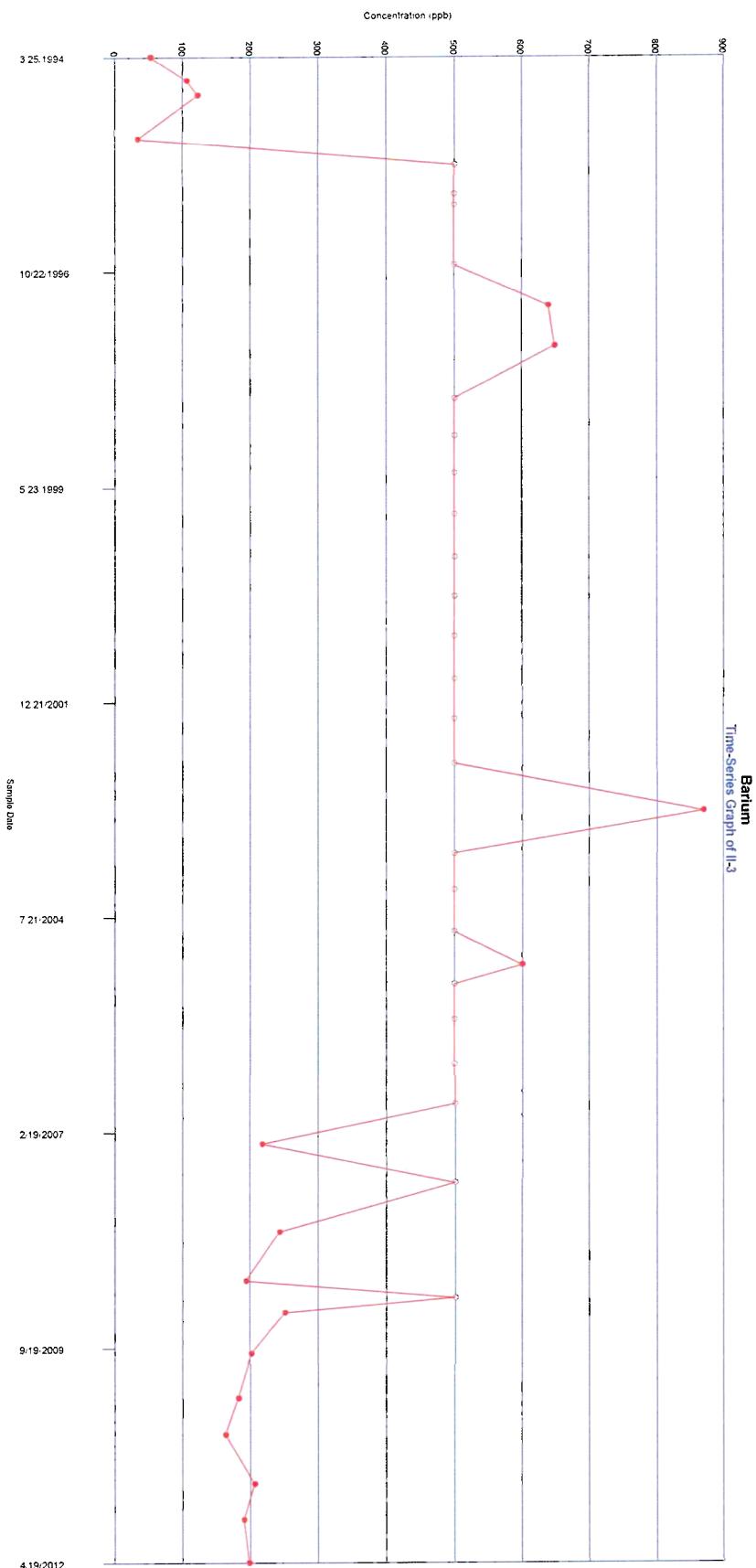


Arsenic
Time-Series Graph of H-8

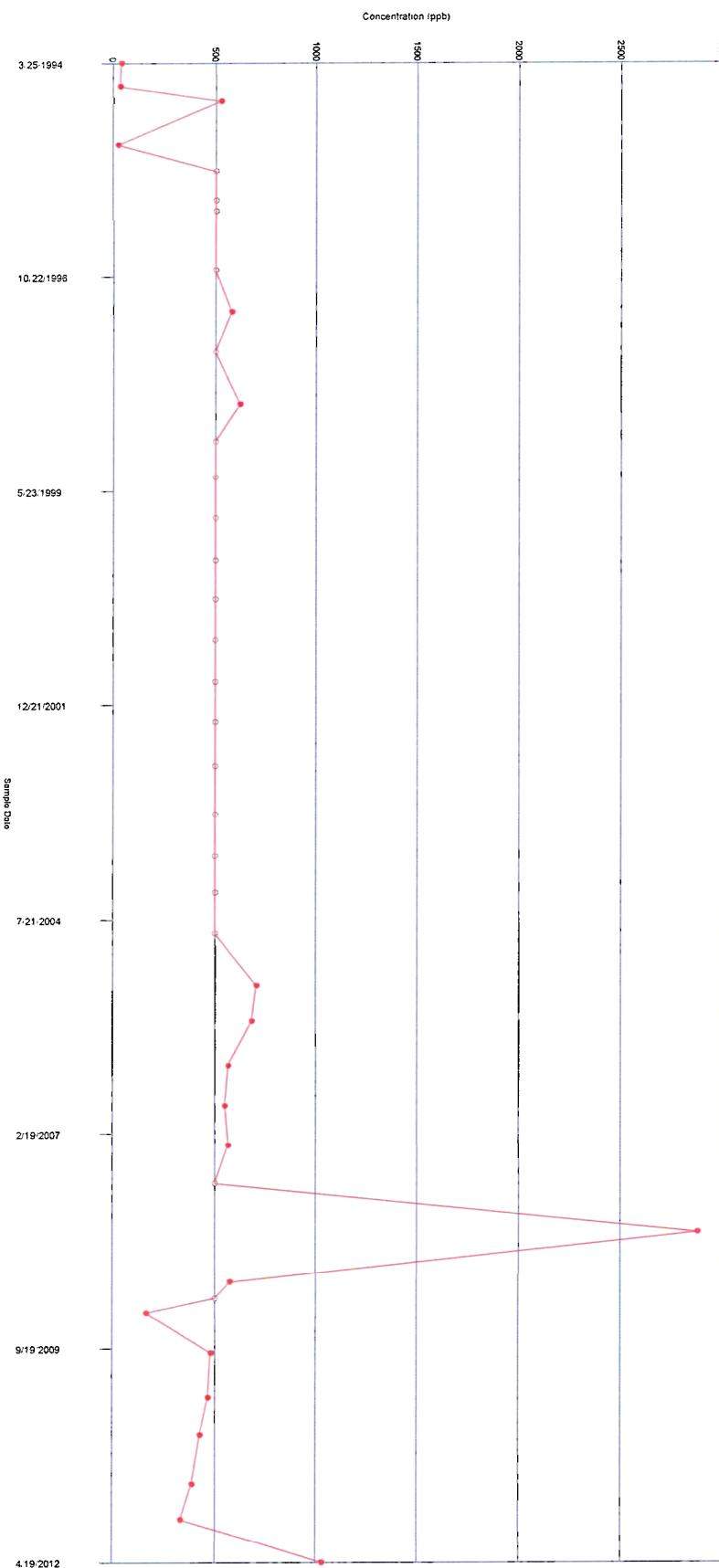


Time-Series Graph of Ba-134

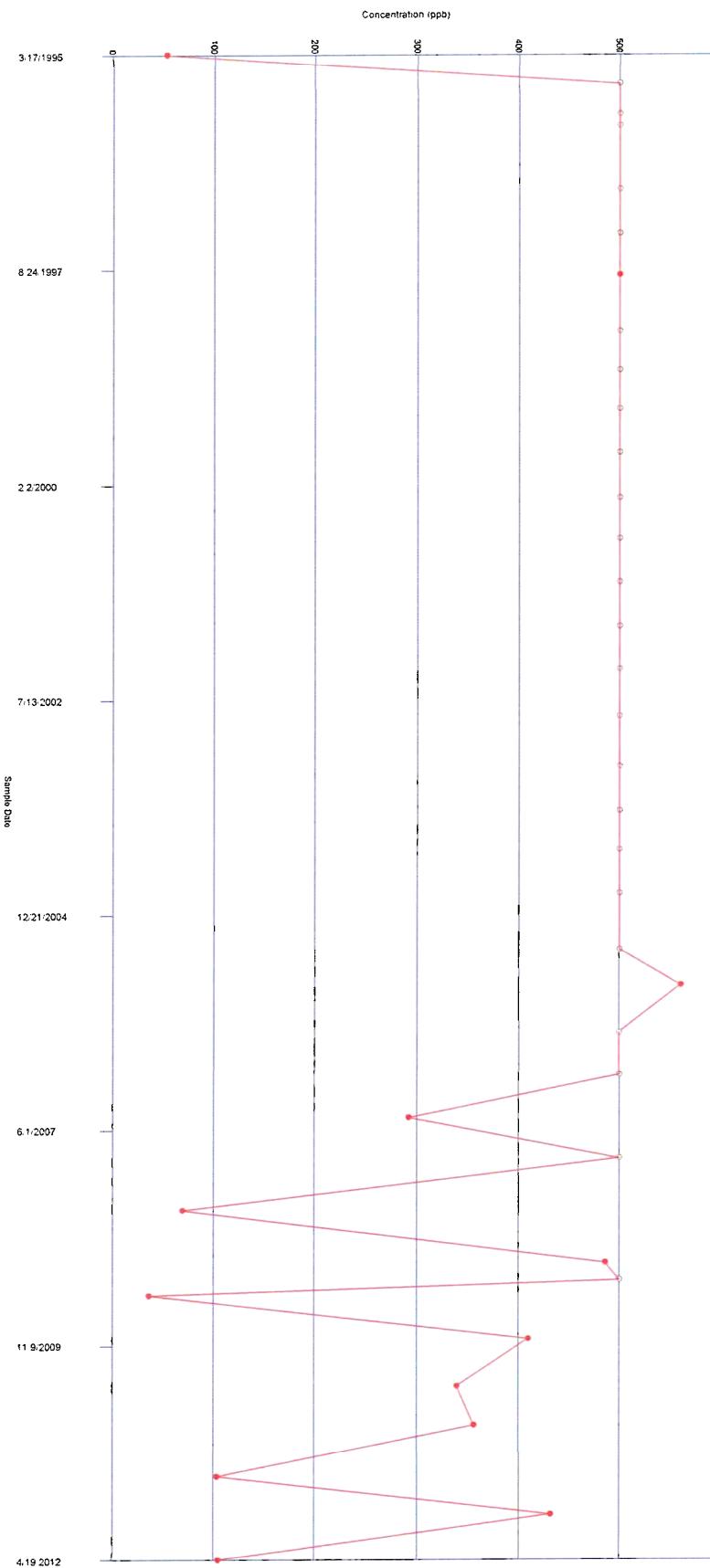


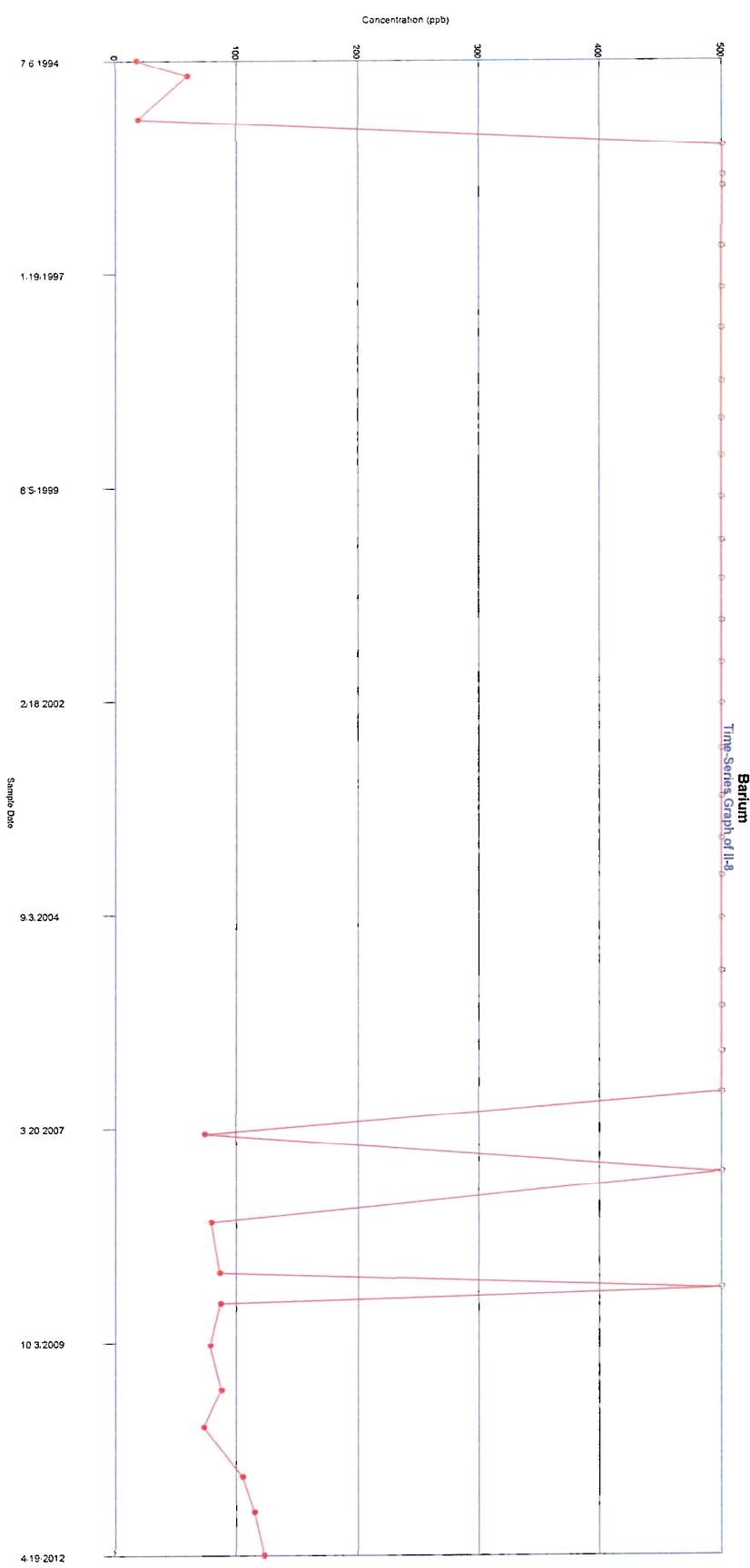


Barium
Time-Series Graph of II.4

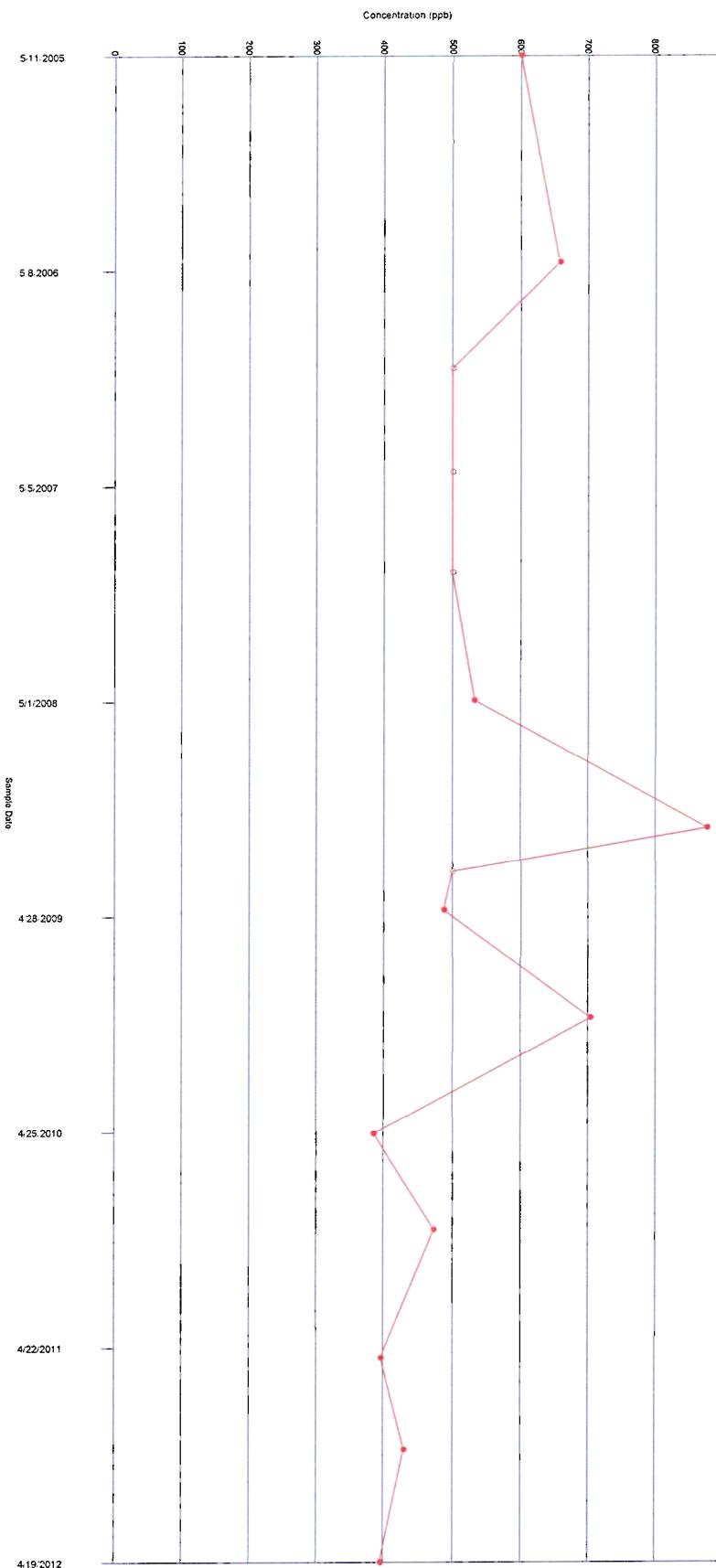


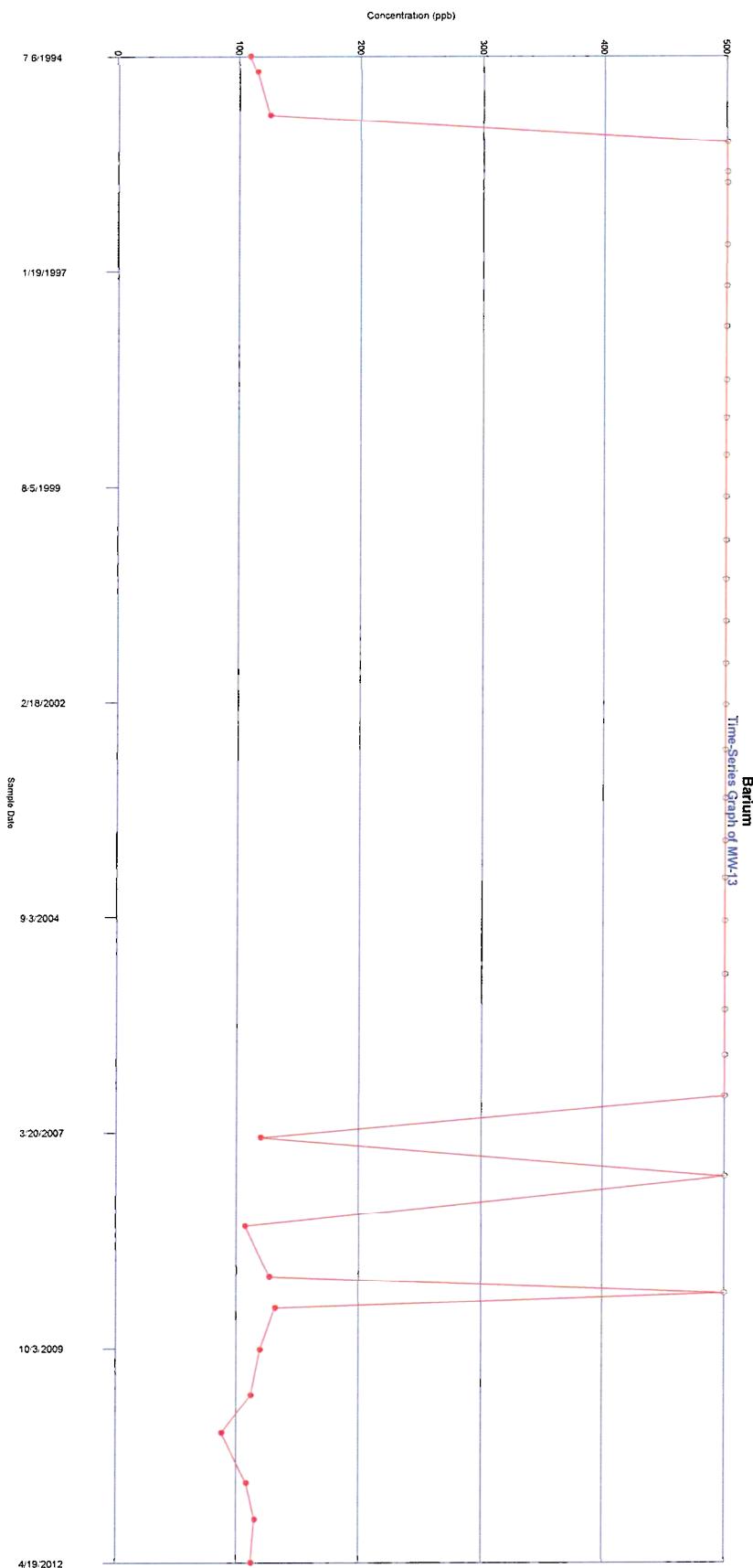
Barium
Time-Series Graph of II-6



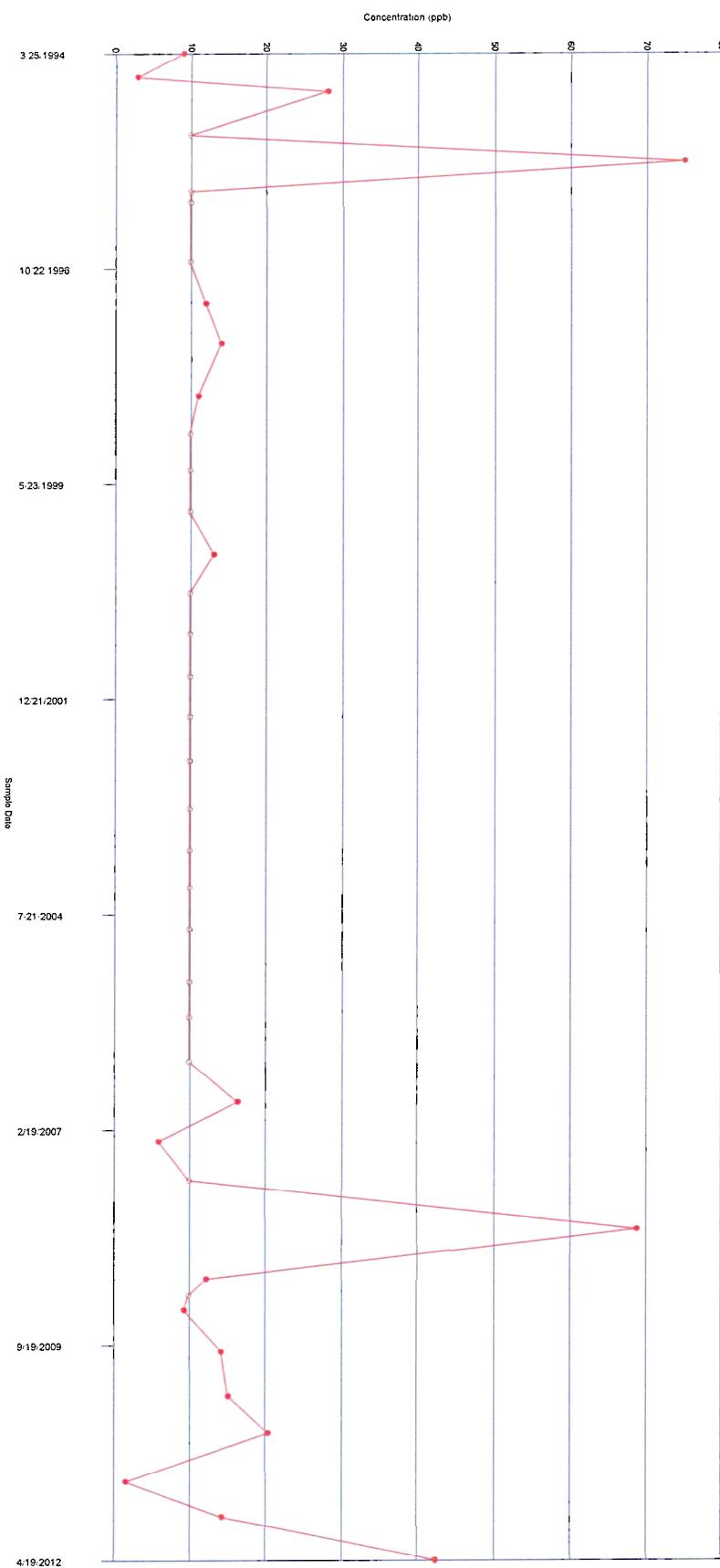


Time-Series Graph of Barium Concentration (ppb)



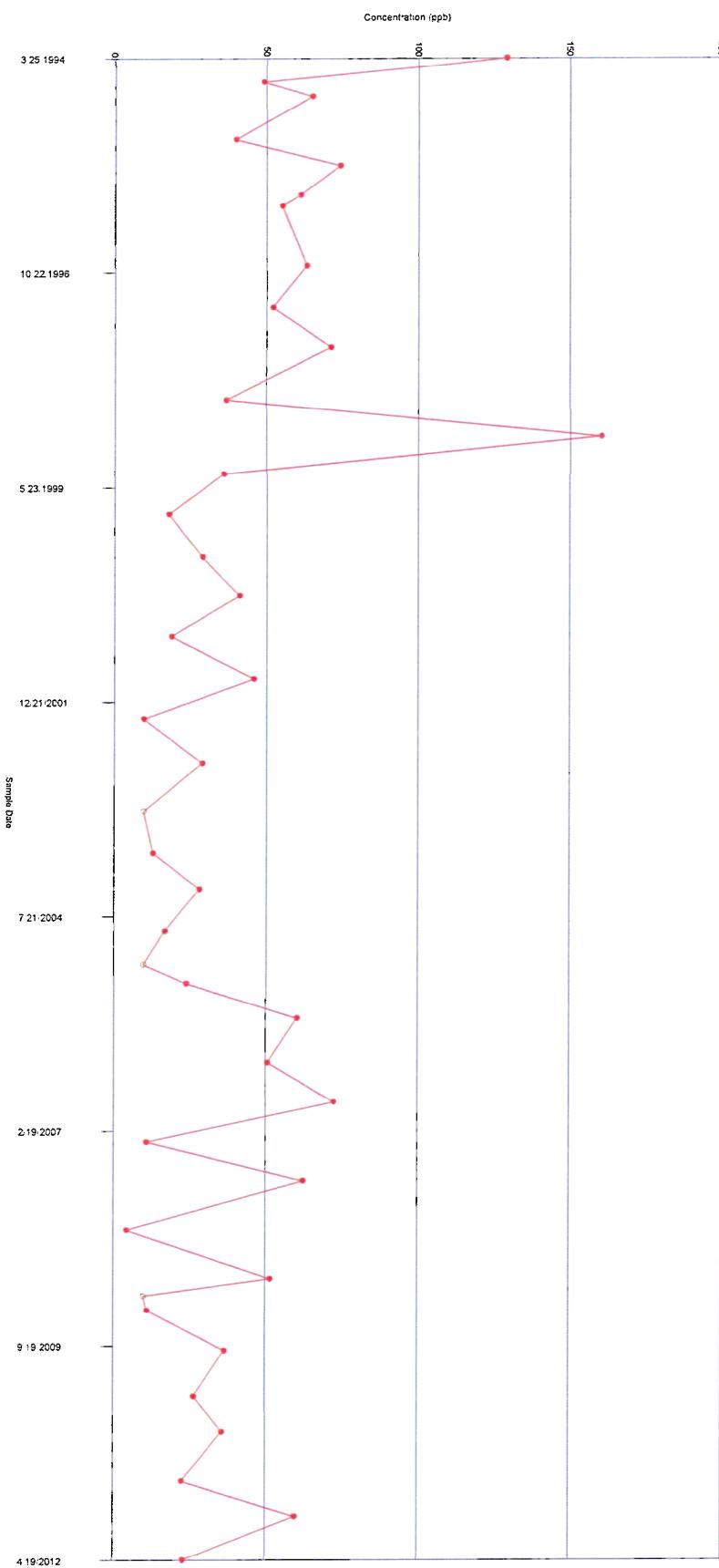


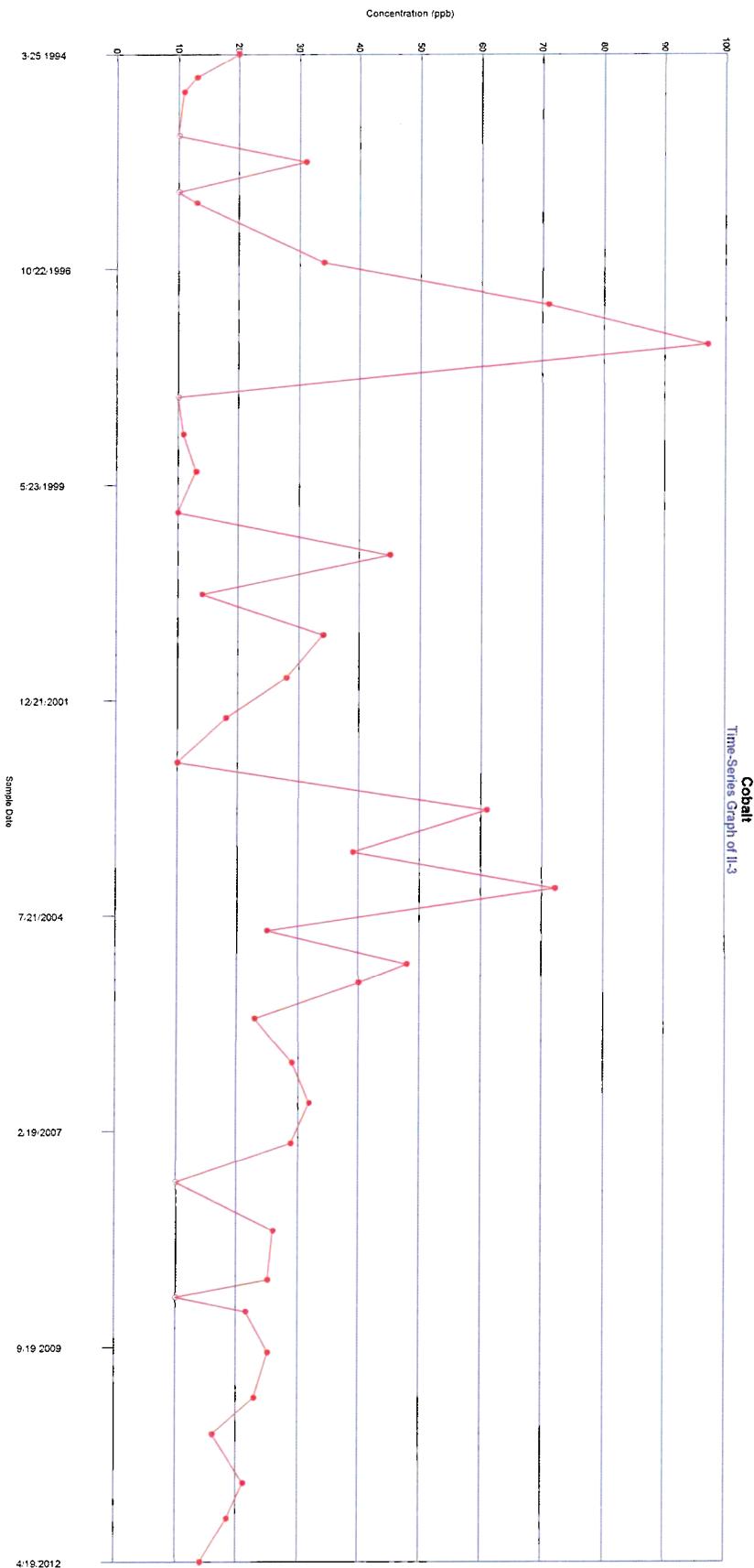
Chromium
Time-Series Graph of II.4



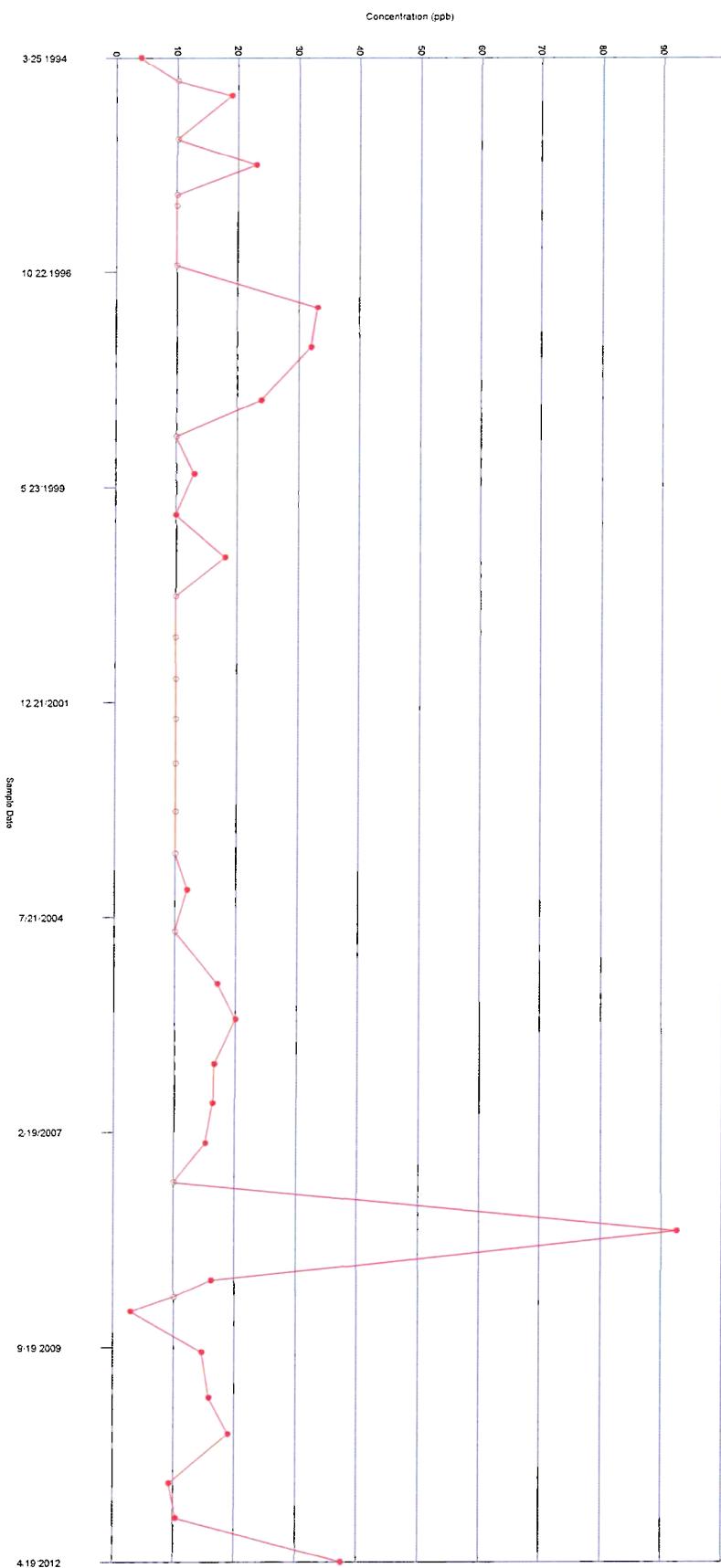
Time-Series Graph of II-1

Cobalt

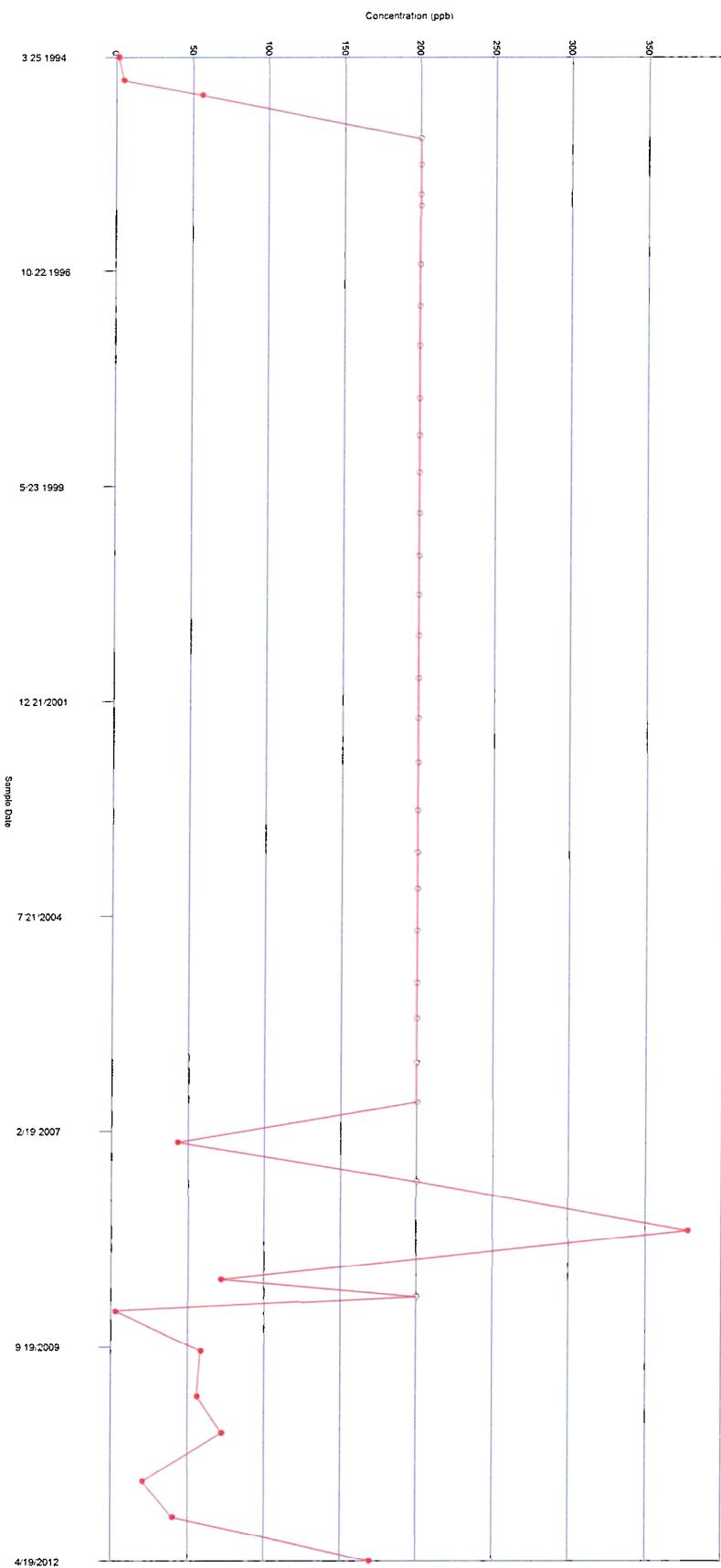




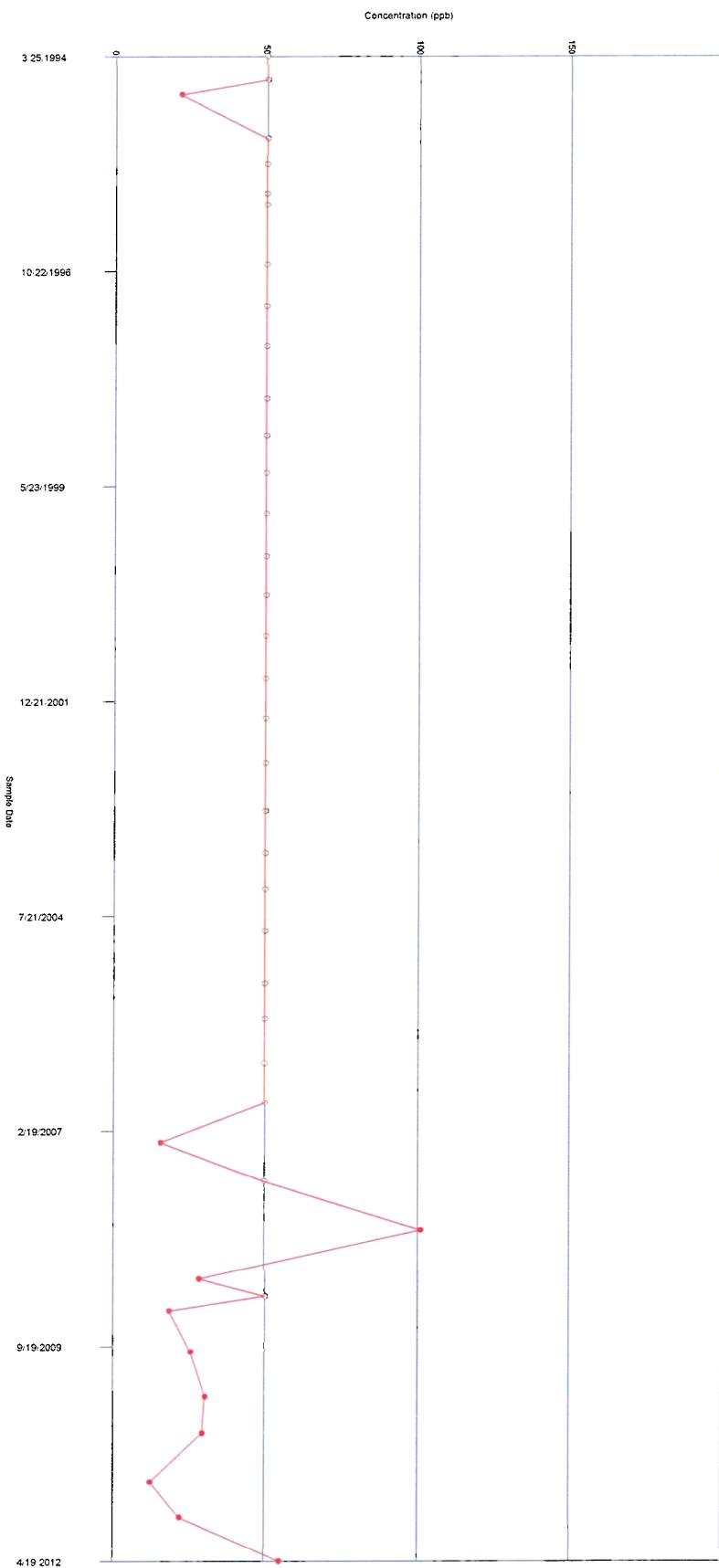
Cobalt
Time-Series Graph of II:4



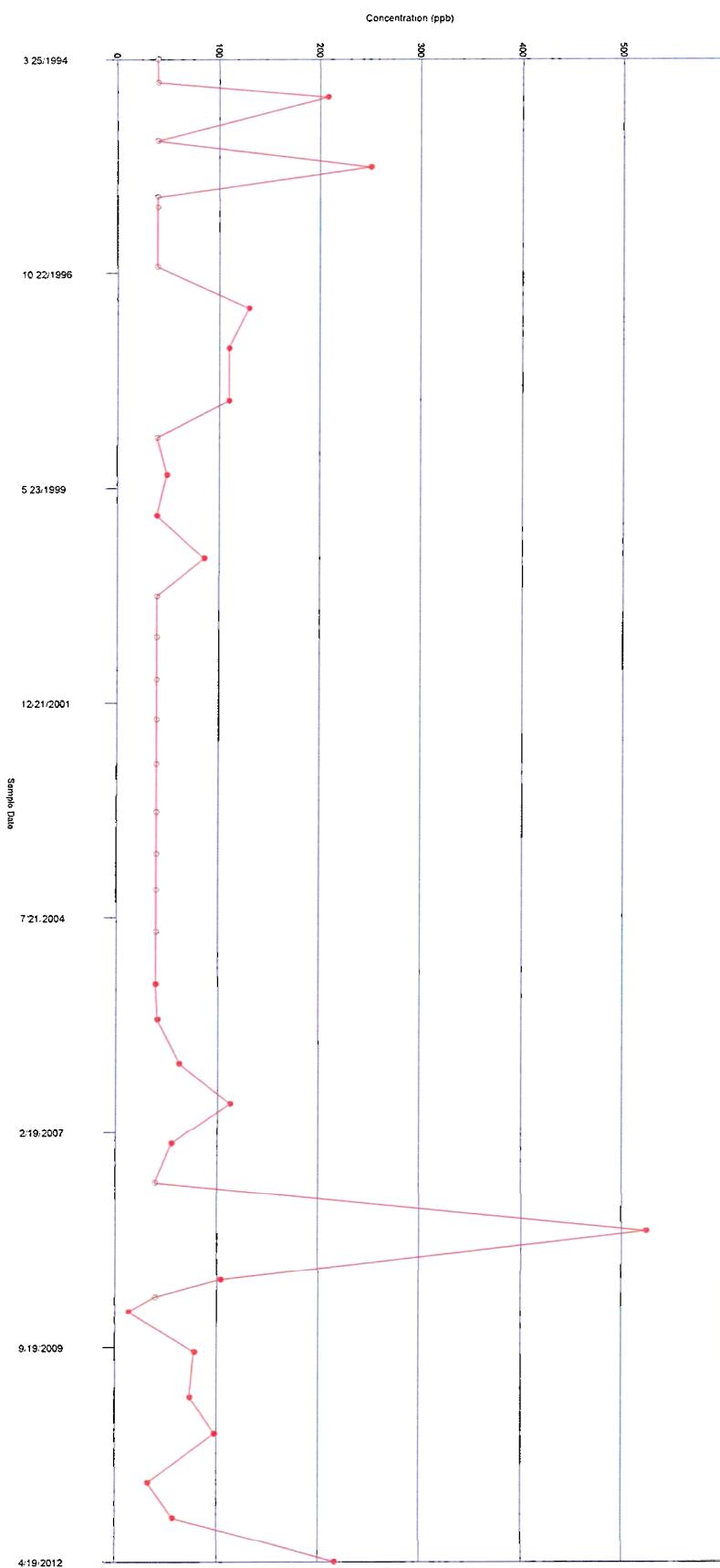
Copper
Time-Series Graph of II.4

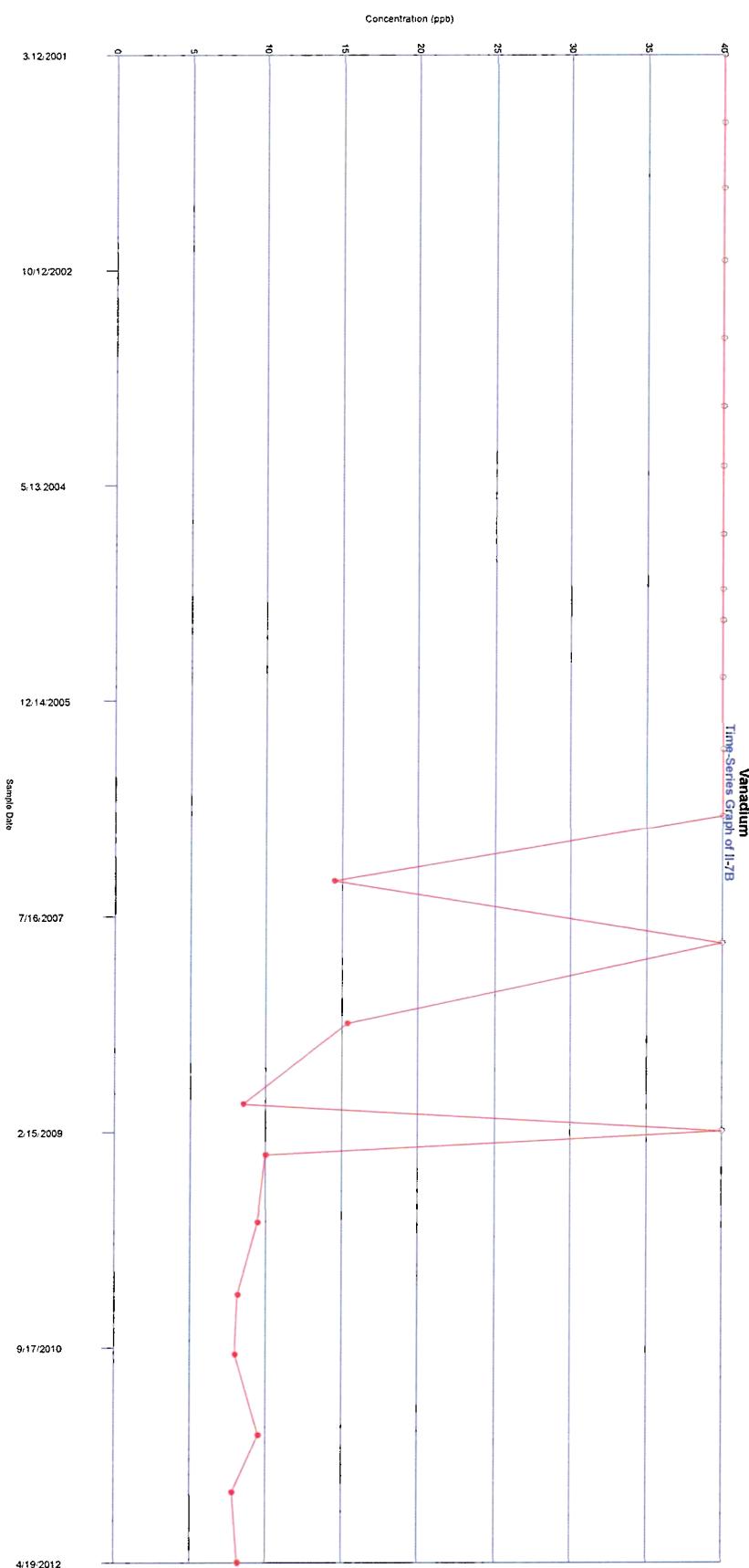


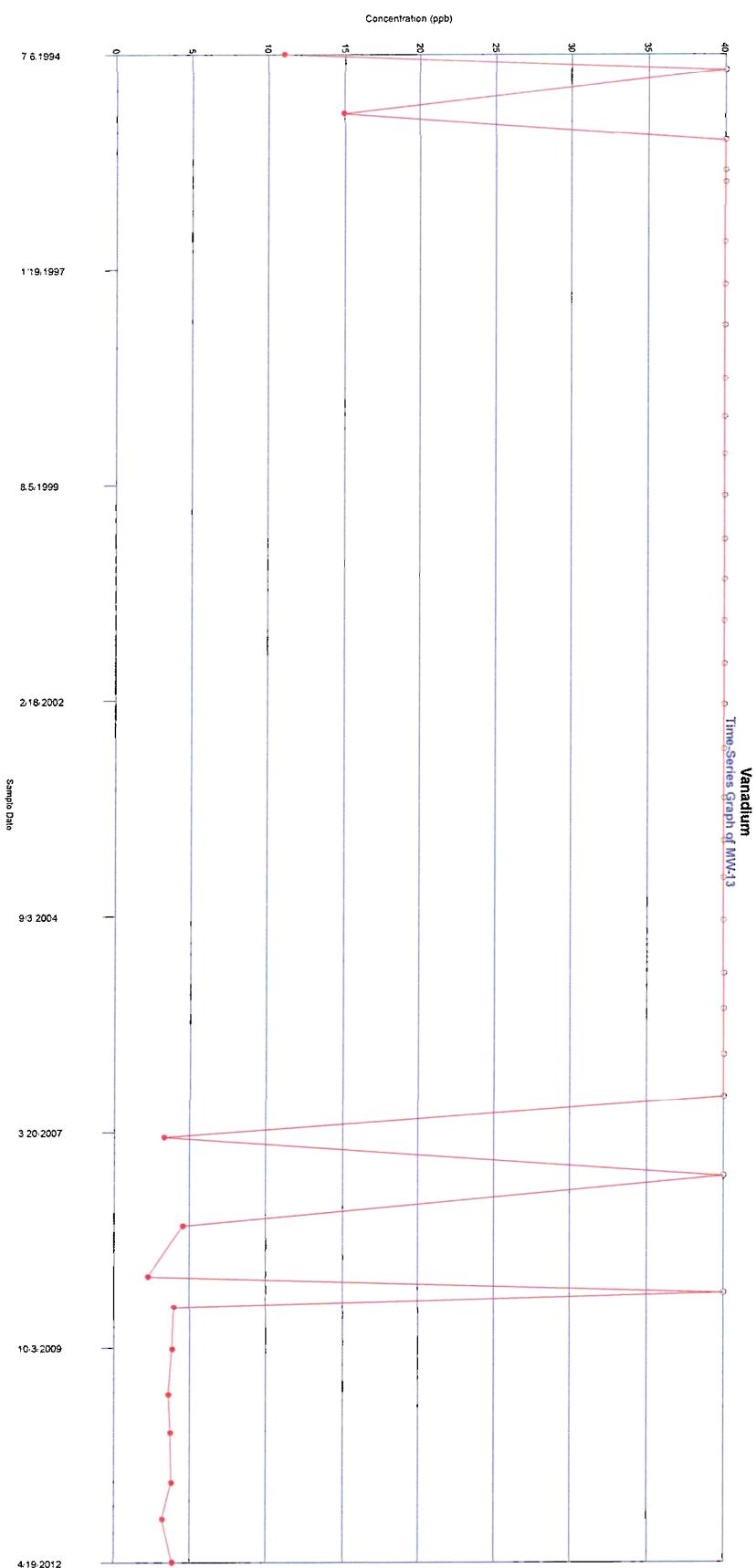
Nickel
Time-Series Graph of II:4



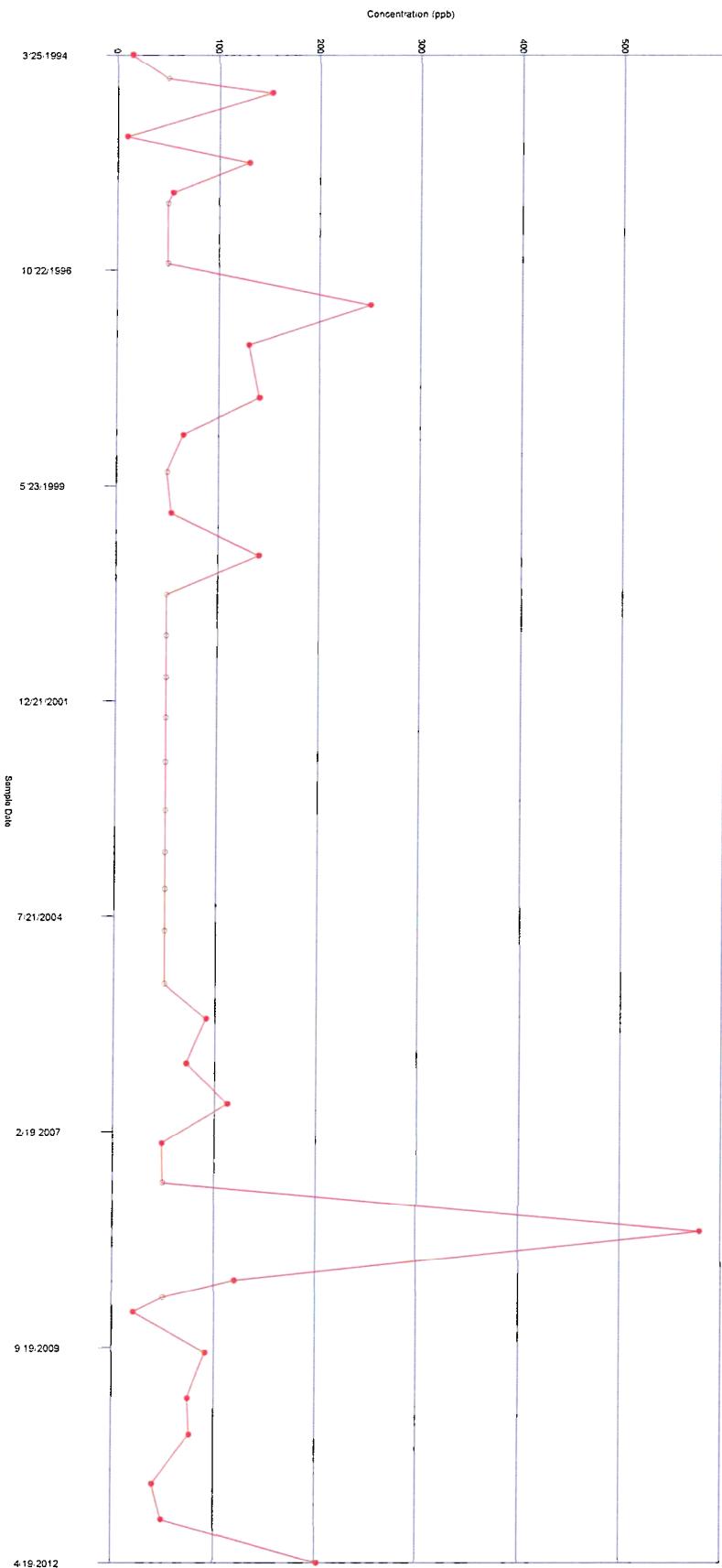
Vanadium
Time-Series Graph of II-4







Zinc
Time-Series Graph of H-4



APPENDIX V

Normality Tests

Shapiro-Francia Test of Normality

Parameter: 1,1-Dichloroethane

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 548

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.42	0	0	0
2	0.49	-2.74777	7.55021	-1.34641
3	0.62	-2.57583	14.1851	-2.94342
4	0.64	-2.45727	20.2233	-4.51608
5	0.65	-2.36561	25.8195	-6.05373
6	0.66	-2.32634	31.2313	-7.58911
7	0.72	-2.25713	36.326	-9.21424
8	0.73	-2.19728	41.154	-10.8183
9	0.74	-2.14441	45.7525	-12.4051
10	0.79	-2.09693	50.1496	-14.0617
11	0.79	-2.05375	54.3675	-15.6842
12	0.83	-2.03352	58.5027	-17.372
13	0.87	-1.99539	62.4843	-19.108
14	0.89	-1.95996	66.3258	-20.8523
15	0.91	-1.92684	70.0385	-22.6058
16	1.1	-1.8957	73.6321	-24.691
17	1.1	-1.88079	77.1695	-26.7599
18	1.1	-1.85218	80.6	-28.7973
19	1.2	-1.82501	83.9307	-30.9873
20	1.2	-1.79912	87.1675	-33.1462
21	1.2	-1.77438	90.3159	-35.2755
22	1.2	-1.75069	93.3808	-37.3763
23	1.2	-1.7392	96.4057	-39.4634
24	1.4	-1.71688	99.3533	-41.867
25	1.4	-1.6954	102.228	-44.2406
26	1.5	-1.67466	105.032	-46.7525
27	1.7	-1.65463	107.77	-49.5654
28	1.7	-1.63524	110.444	-52.3453
29	1.7	-1.62576	113.087	-55.1091
30	1.7	-1.60725	115.67	-57.8414
31	1.9	-1.58927	118.196	-60.861
32	2	-1.57179	120.667	-64.0046
33	2	-1.55477	123.084	-67.1142
34	2.1	-1.54643	125.475	-70.3617
35	2.1	-1.53007	127.817	-73.5748
36	2.2	-1.5141	130.109	-76.9058
37	2.2	-1.49852	132.355	-80.2026
38	2.3	-1.48328	134.555	-83.6141
39	2.3	-1.46838	136.711	-86.9914
40	2.5	-1.46106	138.846	-90.644
41	2.6	-1.44663	140.938	-94.4053
42	2.6	-1.4325	142.99	-98.1298
43	2.7	-1.41865	145.003	-101.96
44	3	-1.40507	146.977	-106.175
45	5	-1.39838	148.933	-113.167
46	5	-1.38517	150.851	-120.093
47	5	-1.3722	152.734	-126.954
48	5	-1.35946	154.582	-133.751
49	5	-1.34694	156.397	-140.486
50	5	-1.33462	158.178	-147.159
51	5	-1.32854	159.943	-153.802
52	5	-1.31652	161.676	-160.385
53	5	-1.30469	163.378	-166.908
54	5	-1.29303	165.05	-173.373
55	5	-1.28155	166.693	-179.781
56	5	-1.27024	168.306	-186.132
57	5	-1.26464	169.905	-192.455
58	5	-1.25357	171.477	-198.723
59	5	-1.24264	173.021	-204.936
60	5	-1.23187	174.539	-211.096
61	5	-1.22123	176.03	-217.202
62	5	-1.21596	177.508	-223.282

63	5	-1.20553	178.962	-229.309
64	5	-1.19522	180.39	-235.285
65	5	-1.18504	181.795	-241.211
66	5	-1.17499	183.175	-247.086
67	5	-1.16505	184.533	-252.911
68	5	-1.16012	185.878	-258.711
69	5	-1.15035	187.202	-264.463
70	5	-1.14069	188.503	-270.167
71	5	-1.13113	189.782	-275.822
72	5	-1.12168	191.041	-281.431
73	5	-1.11699	192.288	-287.016
74	5	-1.10768	193.515	-292.554
75	5	-1.09847	194.722	-298.046
76	5	-1.08935	195.908	-303.493
77	5	-1.08032	197.076	-308.895
78	5	-1.07138	198.223	-314.252
79	5	-1.06694	199.362	-319.586
80	5	-1.05812	200.481	-324.877
81	5	-1.04939	201.583	-330.124
82	5	-1.04073	202.666	-335.327
83	5	-1.03215	203.731	-340.488
84	5	-1.02365	204.779	-345.606
85	5	-1.01943	205.818	-350.704
86	5	-1.01104	206.84	-355.759
87	5	-1.00271	207.846	-360.772
88	5	-0.994457	208.835	-365.745
89	5	-0.986272	209.807	-370.676
90	5	-0.982202	210.772	-375.587
91	5	-0.974114	211.721	-380.458
92	5	-0.966088	212.654	-385.288
93	5	-0.958125	213.572	-390.079
94	5	-0.950222	214.475	-394.83
95	5	-0.942375	215.363	-399.542
96	5	-0.938476	216.244	-404.234
97	5	-0.930718	217.11	-408.888
98	5	-0.923014	217.962	-413.503
99	5	-0.915365	218.8	-418.079
100	5	-0.907769	219.624	-422.618
101	5	-0.903992	220.441	-427.138
102	5	-0.896473	221.245	-431.621
103	5	-0.889006	222.035	-436.066
104	5	-0.881587	222.813	-440.474
105	5	-0.874218	223.577	-444.845
106	5	-0.866894	224.328	-449.179
107	5	-0.863249	225.074	-453.495
108	5	-0.855996	225.806	-457.775
109	5	-0.848786	226.527	-462.019
110	5	-0.841621	227.235	-466.227
111	5	-0.834498	227.932	-470.4
112	5	-0.827417	228.616	-474.537
113	5	-0.823893	229.295	-478.656
114	5	-0.816874	229.962	-482.741
115	5	-0.809896	230.618	-486.79
116	5	-0.802956	231.263	-490.805
117	5	-0.796056	231.897	-494.785
118	5	-0.792618	232.525	-498.748
119	5	-0.785774	233.142	-502.677
120	5	-0.778966	233.749	-506.572
121	5	-0.772193	234.345	-510.433
122	5	-0.765456	234.931	-514.26
123	5	-0.758753	235.507	-518.054
124	5	-0.755415	236.078	-521.831
125	5	-0.748762	236.638	-525.575
126	5	-0.742143	237.189	-529.286
127	5	-0.735557	237.73	-532.964
128	5	-0.729003	238.262	-536.609
129	5	-0.725736	238.788	-540.237
130	5	-0.719228	239.306	-543.833
131	5	-0.712751	239.814	-547.397
132	5	-0.706302	240.312	-550.929
133	5	-0.699883	240.802	-554.428

134	5	-0.693493	241.283	-557.896
135	5	-0.690309	241.76	-561.347
136	5	-0.68396	242.228	-564.767
137	5	-0.677639	242.687	-568.155
138	5	-0.671346	243.137	-571.512
139	5	-0.665079	243.58	-574.837
140	5	-0.658838	244.014	-578.131
141	5	-0.655726	244.444	-581.41
142	5	-0.649522	244.866	-584.658
143	5	-0.643345	245.28	-587.874
144	5	-0.637192	245.686	-591.06
145	5	-0.631062	246.084	-594.216
146	5	-0.628006	246.478	-597.356
147	5	-0.621911	246.865	-600.465
148	5	-0.615839	247.244	-603.544
149	5	-0.609791	247.616	-606.593
150	5	-0.603765	247.981	-609.612
151	5	-0.597761	248.338	-612.601
152	5	-0.594766	248.692	-615.575
153	5	-0.588793	249.038	-618.519
154	5	-0.582841	249.378	-621.433
155	5	-0.576911	249.711	-624.318
156	5	-0.570999	250.037	-627.173
157	5	-0.568052	250.36	-630.013
158	5	-0.56217	250.676	-632.824
159	5	-0.556308	250.985	-635.605
160	5	-0.550465	251.288	-638.358
161	5	-0.544642	251.585	-641.081
162	5	-0.538836	251.875	-643.775
163	5	-0.53594	252.162	-646.455
164	5	-0.530162	252.443	-649.105
165	5	-0.524401	252.718	-651.727
166	5	-0.518658	252.987	-654.321
167	5	-0.51293	253.251	-656.885
168	5	-0.507221	253.508	-659.421
169	5	-0.504372	253.762	-661.943
170	5	-0.498687	254.011	-664.437
171	5	-0.493018	254.254	-666.902
172	5	-0.487364	254.491	-669.339
173	5	-0.481728	254.724	-671.747
174	5	-0.478914	254.953	-674.142
175	5	-0.473299	255.177	-676.508
176	5	-0.467699	255.396	-678.847
177	5	-0.462114	255.609	-681.157
178	5	-0.456542	255.818	-683.44
179	5	-0.450985	256.021	-685.695
180	5	-0.448213	256.222	-687.936
181	5	-0.442676	256.418	-690.15
182	5	-0.437153	256.609	-692.335
183	5	-0.431644	256.795	-694.493
184	5	-0.426148	256.977	-696.624
185	5	-0.423405	257.156	-698.741
186	5	-0.417928	257.331	-700.831
187	5	-0.412463	257.501	-702.893
188	5	-0.40701	257.667	-704.928
189	5	-0.401571	257.828	-706.936
190	5	-0.396142	257.985	-708.917
191	5	-0.393433	258.14	-710.884
192	5	-0.388022	258.29	-712.824
193	5	-0.382622	258.437	-714.737
194	5	-0.377233	258.579	-716.623
195	5	-0.371856	258.717	-718.483
196	5	-0.36649	258.851	-720.315
197	5	-0.363809	258.984	-722.134
198	5	-0.358459	259.112	-723.926
199	5	-0.353118	259.237	-725.692
200	5	-0.347787	259.358	-727.431
201	5	-0.342466	259.475	-729.143
202	5	-0.33981	259.591	-730.842
203	5	-0.334503	259.703	-732.515
204	5	-0.329206	259.811	-734.161

205	5	-0.323919	259.916	-735.781
206	5	-0.318639	260.017	-737.374
207	5	-0.31337	260.116	-738.941
208	5	-0.310738	260.212	-740.494
209	5	-0.305481	260.305	-742.022
210	5	-0.300232	260.396	-743.523
211	5	-0.294992	260.483	-744.998
212	5	-0.28976	260.567	-746.447
213	5	-0.287147	260.649	-747.882
214	5	-0.281926	260.729	-749.292
215	5	-0.276714	260.805	-750.676
216	5	-0.271509	260.879	-752.033
217	5	-0.266311	260.95	-753.365
218	5	-0.26112	261.018	-754.67
219	5	-0.258527	261.085	-755.963
220	5	-0.253347	261.149	-757.23
221	5	-0.248174	261.211	-758.47
222	5	-0.243007	261.27	-759.685
223	5	-0.237847	261.326	-760.875
224	5	-0.232693	261.38	-762.038
225	5	-0.230118	261.433	-763.189
226	5	-0.224974	261.484	-764.314
227	5	-0.219834	261.532	-765.413
228	5	-0.214702	261.578	-766.486
229	5	-0.209575	261.622	-767.534
230	5	-0.207012	261.665	-768.569
231	5	-0.201894	261.706	-769.579
232	5	-0.196779	261.745	-770.563
233	5	-0.191671	261.781	-771.521
234	5	-0.186567	261.816	-772.454
235	5	-0.181468	261.849	-773.361
236	5	-0.17892	261.881	-774.256
237	5	-0.173829	261.911	-775.125
238	5	-0.168741	261.94	-775.969
239	5	-0.163659	261.967	-776.787
240	5	-0.158579	261.992	-777.58
241	5	-0.156042	262.016	-778.36
242	5	-0.150969	262.039	-779.115
243	5	-0.1459	262.06	-779.844
244	5	-0.140835	262.08	-780.549
245	5	-0.135774	262.098	-781.227
246	5	-0.130716	262.115	-781.881
247	5	-0.128189	262.132	-782.522
248	5	-0.123135	262.147	-783.138
249	5	-0.118085	262.161	-783.728
250	5	-0.113039	262.174	-784.293
251	5	-0.107995	262.185	-784.833
252	5	-0.102953	262.196	-785.348
253	5	-0.100433	262.206	-785.85
254	5	-0.0953969	262.215	-786.327
255	5	-0.0903606	262.223	-786.779
256	5	-0.0853288	262.231	-787.206
257	5	-0.0802981	262.237	-787.607
258	5	-0.0777834	262.243	-787.996
259	5	-0.0727562	262.248	-788.36
260	5	-0.0677301	262.253	-788.698
261	5	-0.0627062	262.257	-789.012
262	5	-0.0576847	262.26	-789.3
263	5	-0.0526632	262.263	-789.564
264	5	-0.0501541	262.266	-789.814
265	5	-0.0451348	262.268	-790.04
266	5	-0.0401167	262.269	-790.241
267	5	-0.0350997	262.27	-790.416
268	5	-0.0300838	262.271	-790.567
269	5	-0.0275759	262.272	-790.704
270	5	-0.0225612	262.273	-790.817
271	5	-0.0175476	262.273	-790.905
272	5	-0.0125328	262.273	-790.968
273	5	-0.00751925	262.273	-791.005
274	5	-0.0025068	262.273	-791.018
275	5	0.0025068	262.273	-791.005

276	5	0.00751925	262.273	-790.968
277	5	0.0125328	262.273	-790.905
278	5	0.0175476	262.274	-790.817
279	5	0.0225612	262.274	-790.704
280	5	0.0275759	262.275	-790.567
281	5	0.0300838	262.276	-790.416
282	5	0.0350997	262.277	-790.241
283	5	0.0401167	262.279	-790.04
284	5	0.0451348	262.281	-789.814
285	5	0.0501541	262.283	-789.564
286	5	0.0526632	262.286	-789.3
287	5	0.0576847	262.289	-789.012
288	5	0.0627062	262.293	-788.698
289	5	0.0677301	262.298	-788.36
290	5	0.0727562	262.303	-787.996
291	5	0.0777834	262.309	-787.607
292	5	0.0802981	262.316	-787.206
293	5	0.0853288	262.323	-786.779
294	5	0.0903606	262.331	-786.327
295	5	0.0953969	262.34	-785.85
296	5	0.100433	262.35	-785.348
297	5	0.102953	262.361	-784.833
298	5	0.107995	262.373	-784.293
299	5	0.113039	262.385	-783.728
300	5	0.118085	262.399	-783.138
301	5	0.123135	262.414	-782.522
302	5	0.128189	262.431	-781.881
303	5	0.130716	262.448	-781.227
304	5	0.135774	262.466	-780.549
305	5	0.140835	262.486	-779.844
306	5	0.1459	262.508	-779.115
307	5	0.150969	262.53	-778.36
308	5	0.156042	262.555	-777.58
309	5	0.158579	262.58	-776.787
310	5	0.163659	262.607	-775.969
311	5	0.168741	262.635	-775.125
312	5	0.173829	262.665	-774.256
313	5	0.17892	262.697	-773.361
314	5	0.181468	262.73	-772.454
315	5	0.186567	262.765	-771.521
316	5	0.191671	262.802	-770.563
317	5	0.196779	262.841	-769.579
318	5	0.201894	262.881	-768.569
319	5	0.207012	262.924	-767.534
320	5	0.209575	262.968	-766.486
321	5	0.214702	263.014	-765.413
322	5	0.219834	263.062	-764.314
323	5	0.224974	263.113	-763.189
324	5	0.230118	263.166	-762.038
325	5	0.232693	263.22	-760.875
326	5	0.237847	263.277	-759.685
327	5	0.243007	263.336	-758.47
328	5	0.248174	263.397	-757.23
329	5	0.253347	263.462	-755.963
330	5	0.258527	263.528	-754.67
331	5	0.26112	263.597	-753.365
332	5	0.266311	263.668	-752.033
333	5	0.271509	263.741	-750.676
334	5	0.276714	263.818	-749.292
335	5	0.281926	263.897	-747.882
336	5	0.287147	263.98	-746.447
337	5	0.28976	264.064	-744.998
338	5	0.294992	264.151	-743.523
339	5	0.300232	264.241	-742.022
340	5	0.305481	264.334	-740.494
341	5	0.310738	264.431	-738.941
342	5	0.31337	264.529	-737.374
343	5	0.318639	264.63	-735.781
344	5	0.323919	264.735	-734.161
345	5	0.329206	264.844	-732.515
346	5	0.334503	264.956	-730.842

347	5	0.33981	265.071	-729.143
348	5	0.342466	265.188	-727.431
349	5	0.347787	265.309	-725.692
350	5	0.353118	265.434	-723.926
351	5	0.358459	265.563	-722.134
352	5	0.363809	265.695	-720.315
353	5	0.36649	265.829	-718.483
354	5	0.371856	265.968	-716.623
355	5	0.377233	266.11	-714.737
356	5	0.382622	266.256	-712.824
357	5	0.388022	266.407	-710.884
358	5	0.393433	266.562	-708.917
359	5	0.396142	266.718	-706.936
360	5	0.401571	266.88	-704.928
361	5	0.40701	267.045	-702.893
362	5	0.412463	267.216	-700.831
363	5	0.417928	267.39	-698.741
364	5	0.423405	267.569	-696.624
365	5	0.426148	267.751	-694.493
366	5	0.431644	267.937	-692.335
367	5	0.437153	268.128	-690.15
368	5	0.442676	268.324	-687.936
369	5	0.448213	268.525	-685.695
370	5	0.450985	268.729	-683.44
371	5	0.456542	268.937	-681.157
372	5	0.462114	269.151	-678.847
373	5	0.467699	269.369	-676.508
374	5	0.473299	269.593	-674.142
375	5	0.478914	269.823	-671.747
376	5	0.481728	270.055	-669.339
377	5	0.487364	270.292	-666.902
378	5	0.493018	270.535	-664.437
379	5	0.498687	270.784	-661.943
380	5	0.504372	271.039	-659.421
381	5	0.507221	271.296	-656.885
382	5	0.51293	271.559	-654.321
383	5	0.518658	271.828	-651.727
384	5	0.524401	272.103	-649.105
385	5	0.530162	272.384	-646.455
386	5	0.53594	272.671	-643.775
387	5	0.538836	272.962	-641.081
388	5	0.544642	273.258	-638.358
389	5	0.550465	273.561	-635.605
390	5	0.556308	273.871	-632.824
391	5	0.56217	274.187	-630.013
392	5	0.568052	274.509	-627.173
393	5	0.570999	274.835	-624.318
394	5	0.576911	275.168	-621.433
395	5	0.582841	275.508	-618.519
396	5	0.588793	275.855	-615.575
397	5	0.594766	276.208	-612.601
398	5	0.597761	276.566	-609.612
399	5	0.603765	276.93	-606.593
400	5	0.609791	277.302	-603.544
401	5	0.615839	277.681	-600.465
402	5	0.621911	278.068	-597.356
403	5	0.628006	278.463	-594.216
404	5	0.631062	278.861	-591.06
405	5	0.637192	279.267	-587.874
406	5	0.643345	279.681	-584.658
407	5	0.649522	280.103	-581.41
408	5	0.655726	280.533	-578.131
409	5	0.658838	280.967	-574.837
410	5	0.665079	281.409	-571.512
411	5	0.671346	281.86	-568.155
412	5	0.677639	282.319	-564.767
413	5	0.68396	282.787	-561.347
414	5	0.690309	283.263	-557.896
415	5	0.693493	283.744	-554.428
416	5	0.699883	284.234	-550.929
417	5	0.706302	284.733	-547.397

418	5	0.712751	285.241	-543.833
419	5	0.719228	285.758	-540.237
420	5	0.725736	286.285	-536.609
421	5	0.729003	286.816	-532.964
422	5	0.735557	287.357	-529.286
423	5	0.742143	287.908	-525.575
424	5	0.748762	288.469	-521.831
425	5	0.755415	289.039	-518.054
426	5	0.758753	289.615	-514.26
427	5	0.765456	290.201	-510.433
428	5	0.772193	290.797	-506.572
429	5	0.778966	291.404	-502.677
430	5	0.785774	292.021	-498.748
431	5	0.792618	292.65	-494.785
432	5	0.796056	293.283	-490.805
433	5	0.802956	293.928	-486.79
434	5	0.809896	294.584	-482.741
435	5	0.816874	295.251	-478.656
436	5	0.823893	295.93	-474.537
437	5	0.827417	296.615	-470.4
438	5	0.834498	297.311	-466.227
439	5	0.841621	298.02	-462.019
440	5	0.848786	298.74	-457.775
441	5	0.855996	299.473	-453.495
442	5	0.863249	300.218	-449.179
443	5	0.866894	300.969	-444.845
444	5	0.874218	301.734	-440.474
445	5	0.881587	302.511	-436.066
446	5.1	0.889006	303.301	-431.532
447	5.3	0.896473	304.105	-426.78
448	5.4	0.903992	304.922	-421.899
449	5.5	0.907769	305.746	-416.906
450	5.6	0.915365	306.584	-411.78
451	5.7	0.923014	307.436	-406.519
452	5.8	0.930718	308.302	-401.121
453	5.9	0.938476	309.183	-395.584
454	6	0.942375	310.071	-389.929
455	6	0.950222	310.974	-384.228
456	6.3	0.958125	311.892	-378.192
457	6.3	0.966088	312.825	-372.106
458	6.3	0.974114	313.774	-365.969
459	6.5	0.982202	314.739	-359.584
460	6.8	0.986272	315.712	-352.878
461	6.9	0.994457	316.701	-346.016
462	6.9	1.00271	317.706	-339.097
463	6.9	1.01104	318.728	-332.121
464	6.9	1.01943	319.767	-325.087
465	7	1.02365	320.815	-317.922
466	7	1.03215	321.881	-310.696
467	7	1.04073	322.964	-303.411
468	7.1	1.04939	324.065	-295.961
469	7.2	1.05812	325.185	-288.342
470	7.3	1.06694	326.323	-280.554
471	7.3	1.07138	327.471	-272.732
472	7.4	1.08032	328.638	-264.738
473	7.5	1.08935	329.825	-256.568
474	7.7	1.09847	331.031	-248.11
475	7.7	1.10768	332.258	-239.581
476	7.7	1.11699	333.506	-230.98
477	7.8	1.12168	334.764	-222.231
478	7.9	1.13113	336.043	-213.295
479	7.9	1.14069	337.345	-204.283
480	8.7	1.15035	338.668	-194.275
481	9	1.16012	340.014	-183.834
482	9	1.16505	341.371	-173.349
483	9.1	1.17499	342.752	-162.656
484	9.2	1.18504	344.156	-151.754
485	9.3	1.19522	345.585	-140.638
486	9.5	1.20553	347.038	-129.186
487	9.7	1.21596	348.516	-117.391
488	9.8	1.22123	350.008	-105.423

489	10	1.23187	351.525	-93.1045
490	11	1.24264	353.069	-79.4354
491	11	1.25357	354.641	-65.6462
492	11	1.26464	356.24	-51.7351
493	11	1.27024	357.854	-37.7625
494	11	1.28155	359.496	-23.6655
495	11	1.29303	361.168	-9.4421
496	11	1.30469	362.87	4.90945
497	12	1.31652	364.603	20.7077
498	12	1.32854	366.368	36.6502
499	12	1.33462	368.15	52.6657
500	12	1.34694	369.964	68.8289
501	12	1.35946	371.812	85.1425
502	12	1.3722	373.695	101.609
503	12	1.38517	375.614	118.231
504	12	1.39838	377.569	135.012
505	12	1.40507	379.543	151.872
506	12	1.41865	381.556	168.896
507	12	1.4325	383.608	186.086
508	13	1.44663	385.701	204.893
509	13	1.46106	387.835	223.886
510	13	1.46838	389.992	242.975
511	13	1.48328	392.192	262.258
512	13.3	1.49852	394.437	282.188
513	14	1.5141	396.73	303.386
514	14	1.53007	399.071	324.807
515	14	1.54643	401.462	346.457
516	15	1.55477	403.88	369.778
517	15	1.57179	406.35	393.355
518	15	1.58927	408.876	417.194
519	15	1.60725	411.459	441.303
520	16	1.62576	414.102	467.315
521	16	1.63524	416.776	493.479
522	16	1.65463	419.514	519.953
523	16	1.67466	422.319	546.747
524	16	1.6954	425.193	573.874
525	16	1.71688	428.141	601.344
526	17	1.7392	431.166	630.91
527	17	1.75069	434.23	660.672
528	17	1.77438	437.379	690.836
529	18	1.79912	440.616	723.22
530	18	1.82501	443.946	756.071
531	19	1.85218	447.377	791.262
532	20	1.88079	450.914	828.878
533	25	1.8957	454.508	876.27
534	25	1.92684	458.221	924.441
535	26	1.95996	462.062	975.4
536	33	1.99539	466.044	1041.25
537	35	2.03352	470.179	1112.42
538	67.6	2.05375	474.397	1251.25
539	69	2.09693	478.794	1395.94
540	78.7	2.14441	483.392	1564.71
541	94	2.19728	488.22	1771.25
542	110	2.25713	493.315	2019.54
543	110	2.32634	498.727	2275.43
544	160	2.36561	504.323	2653.93
545	170	2.45727	510.361	3071.67
546	180	2.57583	516.996	3535.32
547	290	2.74777	524.546	4332.17
548	330	0	524.546	4332.17

Data Set Standard Deviation = 23.8809

Numerator = 1.87677e+007

Denominator = 1.63633e+008

W Statistic = 0.114694 = 1.87677e+007 / 1.63633e+008

5% Critical value of 0.976 exceeds 0.114694

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.114694

Shapiro-Francia Test of Normality
Parameter: Tetrachloroethene (-ethylene)
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 548

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.4	0	0	0
2	0.41	-2.74777	7.55021	-1.12658
3	0.51	-2.57583	14.1851	-2.44026
4	0.56	-2.45727	20.2233	-3.81633
5	0.57	-2.36561	25.8195	-5.16473
6	0.57	-2.32634	31.2313	-6.49075
7	0.63	-2.25713	36.326	-7.91274
8	0.69	-2.19728	41.154	-9.42886
9	0.83	-2.14441	45.7525	-11.2087
10	0.99	-2.09693	50.1496	-13.2847
11	1	-2.05375	54.3675	-15.3384
12	1.8	-2.03352	58.5027	-18.9988
13	2.2	-1.99539	62.4843	-23.3886
14	2.8	-1.95996	66.3258	-28.8765
15	2.9	-1.92684	70.0385	-34.4644
16	3.2	-1.8957	73.6321	-40.5306
17	3.5	-1.88079	77.1695	-47.1133
18	3.6	-1.85218	80.6	-53.7812
19	3.6	-1.82501	83.9307	-60.3512
20	4.2	-1.79912	87.1675	-67.9075
21	5	-1.77438	90.3159	-76.7794
22	5	-1.75069	93.3808	-85.5328
23	5	-1.7392	96.4057	-94.2288
24	5	-1.71688	99.3533	-102.813
25	5	-1.6954	102.228	-111.29
26	5	-1.67466	105.032	-119.664
27	5	-1.65463	107.77	-127.937
28	5	-1.63524	110.444	-136.113
29	5	-1.62576	113.087	-144.242
30	5	-1.60725	115.67	-152.278
31	5	-1.58927	118.196	-160.224
32	5	-1.57179	120.667	-168.083
33	5	-1.55477	123.084	-175.857
34	5	-1.54643	125.475	-183.589
35	5	-1.53007	127.817	-191.24
36	5	-1.5141	130.109	-198.81
37	5	-1.49852	132.355	-206.303
38	5	-1.48328	134.555	-213.719
39	5	-1.46838	136.711	-221.061
40	5	-1.46106	138.846	-228.366
41	5	-1.44663	140.938	-235.599
42	5	-1.4325	142.99	-242.762
43	5	-1.41865	145.003	-249.855
44	5	-1.40507	146.977	-256.881
45	5	-1.39838	148.933	-263.872
46	5	-1.38517	150.851	-270.798
47	5	-1.3722	152.734	-277.659
48	5	-1.35946	154.582	-284.457
49	5	-1.34694	156.397	-291.191
50	5	-1.33462	158.178	-297.864
51	5	-1.32854	159.943	-304.507
52	5	-1.31652	161.676	-311.09
53	5	-1.30469	163.378	-317.613
54	5	-1.29303	165.05	-324.078
55	5	-1.28155	166.693	-330.486
56	5	-1.27024	168.306	-336.837
57	5	-1.26464	169.905	-343.161
58	5	-1.25357	171.477	-349.428
59	5	-1.24264	173.021	-355.642
60	5	-1.23187	174.539	-361.801
61	5	-1.22123	176.03	-367.907
62	5	-1.21596	177.508	-373.987

63	5	-1.20553	178.962	-380.014
64	5	-1.19522	180.39	-385.991
65	5	-1.18504	181.795	-391.916
66	5	-1.17499	183.175	-397.791
67	5	-1.16505	184.533	-403.616
68	5	-1.16012	185.878	-409.417
69	5	-1.15035	187.202	-415.168
70	5	-1.14069	188.503	-420.872
71	5	-1.13113	189.782	-426.527
72	5	-1.12168	191.041	-432.136
73	5	-1.11699	192.288	-437.721
74	5	-1.10768	193.515	-443.259
75	5	-1.09847	194.722	-448.751
76	5	-1.08935	195.908	-454.198
77	5	-1.08032	197.076	-459.6
78	5	-1.07138	198.223	-464.957
79	5	-1.06694	199.362	-470.291
80	5	-1.05812	200.481	-475.582
81	5	-1.04939	201.583	-480.829
82	5	-1.04073	202.666	-486.033
83	5	-1.03215	203.731	-491.193
84	5	-1.02365	204.779	-496.312
85	5	-1.01943	205.818	-501.409
86	5	-1.01104	206.84	-506.464
87	5	-1.00271	207.846	-511.477
88	5	-0.994457	208.835	-516.45
89	5	-0.986272	209.807	-521.381
90	5	-0.982202	210.772	-526.292
91	5	-0.974114	211.721	-531.163
92	5	-0.966088	212.654	-535.993
93	5	-0.958125	213.572	-540.784
94	5	-0.950222	214.475	-545.535
95	5	-0.942375	215.363	-550.247
96	5	-0.938476	216.244	-554.939
97	5	-0.930718	217.11	-559.593
98	5	-0.923014	217.962	-564.208
99	5	-0.915365	218.8	-568.785
100	5	-0.907769	219.624	-573.323
101	5	-0.903992	220.441	-577.843
102	5	-0.896473	221.245	-582.326
103	5	-0.889006	222.035	-586.771
104	5	-0.881587	222.813	-591.179
105	5	-0.874218	223.577	-595.55
106	5	-0.866894	224.328	-599.884
107	5	-0.863249	225.074	-604.201
108	5	-0.855996	225.806	-608.481
109	5	-0.848786	226.527	-612.724
110	5	-0.841621	227.235	-616.933
111	5	-0.834498	227.932	-621.105
112	5	-0.827417	228.616	-625.242
113	5	-0.823893	229.295	-629.362
114	5	-0.816874	229.962	-633.446
115	5	-0.809896	230.618	-637.495
116	5	-0.802956	231.263	-641.51
117	5	-0.796056	231.897	-645.491
118	5	-0.792618	232.525	-649.454
119	5	-0.785774	233.142	-653.383
120	5	-0.778966	233.749	-657.277
121	5	-0.772193	234.345	-661.138
122	5	-0.765456	234.931	-664.966
123	5	-0.758753	235.507	-668.759
124	5	-0.755415	236.078	-672.536
125	5	-0.748762	236.638	-676.28
126	5	-0.742143	237.189	-679.991
127	5	-0.735557	237.73	-683.669
128	5	-0.729003	238.262	-687.314
129	5	-0.725736	238.788	-690.942
130	5	-0.719228	239.306	-694.539
131	5	-0.712751	239.814	-698.102
132	5	-0.706302	240.312	-701.634
133	5	-0.699883	240.802	-705.133

134	5	-0.693493	241.283	-708.601
135	5	-0.690309	241.76	-712.052
136	5	-0.68396	242.228	-715.472
137	5	-0.677639	242.687	-718.86
138	5	-0.671346	243.137	-722.217
139	5	-0.665079	243.58	-725.542
140	5	-0.658838	244.014	-728.837
141	5	-0.655726	244.444	-732.115
142	5	-0.649522	244.866	-735.363
143	5	-0.643345	245.28	-738.58
144	5	-0.637192	245.686	-741.766
145	5	-0.631062	246.084	-744.921
146	5	-0.628006	246.478	-748.061
147	5	-0.621911	246.865	-751.17
148	5	-0.615839	247.244	-754.25
149	5	-0.609791	247.616	-757.299
150	5	-0.603765	247.981	-760.317
151	5	-0.597761	248.338	-763.306
152	5	-0.594766	248.692	-766.28
153	5	-0.588793	249.038	-769.224
154	5	-0.582841	249.378	-772.138
155	5	-0.576911	249.711	-775.023
156	5	-0.570999	250.037	-777.878
157	5	-0.568052	250.36	-780.718
158	5	-0.56217	250.676	-783.529
159	5	-0.556308	250.985	-786.31
160	5	-0.550465	251.288	-789.063
161	5	-0.544642	251.585	-791.786
162	5	-0.538836	251.875	-794.48
163	5	-0.53594	252.162	-797.16
164	5	-0.530162	252.443	-799.811
165	5	-0.524401	252.718	-802.433
166	5	-0.518658	252.987	-805.026
167	5	-0.51293	253.251	-807.591
168	5	-0.507221	253.508	-810.127
169	5	-0.504372	253.762	-812.649
170	5	-0.498687	254.011	-815.142
171	5	-0.493018	254.254	-817.607
172	5	-0.487364	254.491	-820.044
173	5	-0.481728	254.724	-822.452
174	5	-0.478914	254.953	-824.847
175	5	-0.473299	255.177	-827.214
176	5	-0.467699	255.396	-829.552
177	5	-0.462114	255.609	-831.863
178	5	-0.456542	255.818	-834.145
179	5	-0.450985	256.021	-836.4
180	5	-0.448213	256.222	-838.641
181	5	-0.442676	256.418	-840.855
182	5	-0.437153	256.609	-843.04
183	5	-0.431644	256.795	-845.199
184	5	-0.426148	256.977	-847.329
185	5	-0.423405	257.156	-849.446
186	5	-0.417928	257.331	-851.536
187	5	-0.412463	257.501	-853.598
188	5	-0.40701	257.667	-855.633
189	5	-0.401571	257.828	-857.641
190	5	-0.396142	257.985	-859.622
191	5	-0.393433	258.14	-861.589
192	5	-0.388022	258.29	-863.529
193	5	-0.382622	258.437	-865.442
194	5	-0.377233	258.579	-867.329
195	5	-0.371856	258.717	-869.188
196	5	-0.36649	258.851	-871.02
197	5	-0.363809	258.984	-872.839
198	5	-0.358459	259.112	-874.632
199	5	-0.353118	259.237	-876.397
200	5	-0.347787	259.358	-878.136
201	5	-0.342466	259.475	-879.849
202	5	-0.33981	259.591	-881.548
203	5	-0.334503	259.703	-883.22
204	5	-0.329206	259.811	-884.866

205	5	-0.323919	259.916	-886.486
206	5	-0.318639	260.017	-888.079
207	5	-0.31337	260.116	-889.646
208	5	-0.310738	260.212	-891.199
209	5	-0.305481	260.305	-892.727
210	5	-0.300232	260.396	-894.228
211	5	-0.294992	260.483	-895.703
212	5	-0.28976	260.567	-897.152
213	5	-0.287147	260.649	-898.587
214	5	-0.281926	260.729	-899.997
215	5	-0.276714	260.805	-901.381
216	5	-0.271509	260.879	-902.738
217	5	-0.266311	260.95	-904.07
218	5	-0.261112	261.018	-905.375
219	5	-0.258527	261.085	-906.668
220	5	-0.253347	261.149	-907.935
221	5	-0.248174	261.211	-909.176
222	5	-0.243007	261.27	-910.391
223	5	-0.237847	261.326	-911.58
224	5	-0.232693	261.38	-912.743
225	5	-0.230118	261.433	-913.894
226	5	-0.224974	261.484	-915.019
227	5	-0.219834	261.532	-916.118
228	5	-0.214702	261.578	-917.192
229	5	-0.209575	261.622	-918.239
230	5	-0.207012	261.665	-919.274
231	5	-0.201894	261.706	-920.284
232	5	-0.196779	261.745	-921.268
233	5	-0.191671	261.781	-922.226
234	5	-0.186567	261.816	-923.159
235	5	-0.181468	261.849	-924.066
236	5	-0.17892	261.881	-924.961
237	5	-0.173829	261.911	-925.83
238	5	-0.168741	261.94	-926.674
239	5	-0.163659	261.967	-927.492
240	5	-0.158579	261.992	-928.285
241	5	-0.156042	262.016	-929.065
242	5	-0.150969	262.039	-929.82
243	5	-0.1459	262.06	-930.55
244	5	-0.140835	262.08	-931.254
245	5	-0.135774	262.098	-931.933
246	5	-0.130716	262.115	-932.586
247	5	-0.128189	262.132	-933.227
248	5	-0.123135	262.147	-933.843
249	5	-0.118085	262.161	-934.433
250	5	-0.113039	262.174	-934.998
251	5	-0.107995	262.185	-935.538
252	5	-0.102953	262.196	-936.053
253	5	-0.100433	262.206	-936.555
254	5	-0.0953969	262.215	-937.032
255	5	-0.0903606	262.223	-937.484
256	5	-0.0853288	262.231	-937.911
257	5	-0.0802981	262.237	-938.312
258	5	-0.0777834	262.243	-938.701
259	5	-0.0727562	262.248	-939.065
260	5	-0.0677301	262.253	-939.404
261	5	-0.0627062	262.257	-939.717
262	5	-0.0576847	262.26	-940.006
263	5	-0.0526632	262.263	-940.269
264	5	-0.0501541	262.266	-940.52
265	5	-0.0451348	262.268	-940.745
266	5	-0.0401167	262.269	-940.946
267	5	-0.0350997	262.27	-941.121
268	5	-0.0300838	262.271	-941.272
269	5	-0.0275759	262.272	-941.41
270	5	-0.0225612	262.273	-941.522
271	5	-0.0175476	262.273	-941.61
272	5	-0.0125328	262.273	-941.673
273	5	-0.00751925	262.273	-941.71
274	5	-0.0025068	262.273	-941.723
275	5	0.0025068	262.273	-941.71

276	5	0.00751925	262.273	-941.673
277	5	0.0125328	262.273	-941.61
278	5	0.0175476	262.274	-941.522
279	5	0.0225612	262.274	-941.41
280	5	0.0275759	262.275	-941.272
281	5	0.0300838	262.276	-941.121
282	5	0.0350997	262.277	-940.946
283	5	0.0401167	262.279	-940.745
284	5	0.0451348	262.281	-940.52
285	5	0.0501541	262.283	-940.269
286	5	0.0526632	262.286	-940.006
287	5	0.0576847	262.289	-939.717
288	5	0.0627062	262.293	-939.404
289	5	0.0677301	262.298	-939.065
290	5	0.0727562	262.303	-938.701
291	5	0.0777834	262.309	-938.312
292	5	0.0802981	262.316	-937.911
293	5	0.0853288	262.323	-937.484
294	5	0.0903606	262.331	-937.032
295	5	0.0953969	262.34	-936.555
296	5	0.100433	262.35	-936.053
297	5	0.102953	262.361	-935.538
298	5	0.107995	262.373	-934.998
299	5	0.113039	262.385	-934.433
300	5	0.118085	262.399	-933.843
301	5	0.123135	262.414	-933.227
302	5	0.128189	262.431	-932.586
303	5	0.130716	262.448	-931.933
304	5	0.135774	262.466	-931.254
305	5	0.140835	262.486	-930.55
306	5	0.1459	262.508	-929.82
307	5	0.150969	262.53	-929.065
308	5	0.156042	262.555	-928.285
309	5	0.158579	262.58	-927.492
310	5	0.163659	262.607	-926.674
311	5	0.168741	262.635	-925.83
312	5	0.173829	262.665	-924.961
313	5	0.17892	262.697	-924.066
314	5	0.181468	262.73	-923.159
315	5	0.186567	262.765	-922.226
316	5	0.191671	262.802	-921.268
317	5	0.196779	262.841	-920.284
318	5	0.201894	262.881	-919.274
319	5	0.207012	262.924	-918.239
320	5	0.209575	262.968	-917.192
321	5	0.214702	263.014	-916.118
322	5	0.219834	263.062	-915.019
323	5	0.224974	263.113	-913.894
324	5	0.230118	263.166	-912.743
325	5	0.232693	263.22	-911.58
326	5	0.237847	263.277	-910.391
327	5	0.243007	263.336	-909.176
328	5	0.248174	263.397	-907.935
329	5	0.253347	263.462	-906.668
330	5	0.258527	263.528	-905.375
331	5	0.261112	263.597	-904.07
332	5	0.266311	263.668	-902.738
333	5	0.271509	263.741	-901.381
334	5	0.276714	263.818	-899.997
335	5	0.281926	263.897	-898.587
336	5	0.287147	263.98	-897.152
337	5	0.28976	264.064	-895.703
338	5	0.294992	264.151	-894.228
339	5	0.300232	264.241	-892.727
340	5	0.305481	264.334	-891.199
341	5	0.310738	264.431	-889.646
342	5	0.31337	264.529	-888.079
343	5	0.318639	264.63	-886.486
344	5	0.323919	264.735	-884.866
345	5	0.329206	264.844	-883.22
346	5	0.334503	264.956	-881.548

347	5	0.33981	265.071	-879.849
348	5	0.342466	265.188	-878.136
349	5	0.347787	265.309	-876.397
350	5	0.353118	265.434	-874.632
351	5	0.358459	265.563	-872.839
352	5	0.363809	265.695	-871.02
353	5	0.36649	265.829	-869.188
354	5	0.371856	265.968	-867.329
355	5	0.377233	266.11	-865.442
356	5	0.382622	266.256	-863.529
357	5	0.388022	266.407	-861.589
358	5	0.393433	266.562	-859.622
359	5	0.396142	266.718	-857.641
360	5	0.401571	266.88	-855.633
361	5	0.40701	267.045	-853.598
362	5	0.412463	267.216	-851.536
363	5	0.417928	267.39	-849.446
364	5	0.423405	267.569	-847.329
365	5	0.426148	267.751	-845.199
366	5	0.431644	267.937	-843.04
367	5	0.437153	268.128	-840.855
368	5	0.442676	268.324	-838.641
369	5	0.448213	268.525	-836.4
370	5	0.450985	268.729	-834.145
371	5	0.456542	268.937	-831.863
372	5	0.462114	269.151	-829.552
373	5	0.467699	269.369	-827.214
374	5	0.473299	269.593	-824.847
375	5	0.478914	269.823	-822.452
376	5	0.481728	270.055	-820.044
377	5	0.487364	270.292	-817.607
378	5	0.493018	270.535	-815.142
379	5	0.498687	270.784	-812.649
380	5	0.504372	271.039	-810.127
381	5	0.507221	271.296	-807.591
382	5	0.51293	271.559	-805.026
383	5	0.518658	271.828	-802.433
384	5	0.524401	272.103	-799.811
385	5	0.530162	272.384	-797.16
386	5	0.53594	272.671	-794.48
387	5	0.538836	272.962	-791.786
388	5	0.544642	273.258	-789.063
389	5	0.550465	273.561	-786.31
390	5	0.556308	273.871	-783.529
391	5	0.56217	274.187	-780.718
392	5	0.568052	274.509	-777.878
393	5	0.570999	274.835	-775.023
394	5	0.576911	275.168	-772.138
395	5	0.582841	275.508	-769.224
396	5	0.588793	275.855	-766.28
397	5	0.594766	276.208	-763.306
398	5	0.597761	276.566	-760.317
399	5	0.603765	276.93	-757.299
400	5	0.609791	277.302	-754.25
401	5	0.615839	277.681	-751.17
402	5	0.621911	278.068	-748.061
403	5	0.628006	278.463	-744.921
404	5	0.631062	278.861	-741.766
405	5	0.637192	279.267	-738.58
406	5	0.643345	279.681	-735.363
407	5	0.649522	280.103	-732.115
408	5	0.655726	280.533	-728.837
409	5	0.658838	280.967	-725.542
410	5	0.665079	281.409	-722.217
411	5	0.671346	281.86	-718.86
412	5	0.677639	282.319	-715.472
413	5	0.68396	282.787	-712.052
414	5	0.690309	283.263	-708.601
415	5	0.693493	283.744	-705.133
416	5	0.699883	284.234	-701.634
417	5	0.706302	284.733	-698.102

418	5	0.712751	285.241	-694.539
419	5	0.719228	285.758	-690.942
420	5	0.725736	286.285	-687.314
421	5	0.729003	286.816	-683.669
422	5	0.735557	287.357	-679.991
423	5	0.742143	287.908	-676.28
424	5	0.748762	288.469	-672.536
425	5	0.755415	289.039	-668.759
426	5	0.758753	289.615	-664.966
427	5	0.765456	290.201	-661.138
428	5	0.772193	290.797	-657.277
429	5	0.778966	291.404	-653.383
430	5	0.785774	292.021	-649.454
431	5	0.792618	292.65	-645.491
432	5	0.796056	293.283	-641.51
433	5	0.802956	293.928	-637.495
434	5	0.809896	294.584	-633.446
435	5	0.816874	295.251	-629.362
436	5	0.823893	295.93	-625.242
437	5	0.827417	296.615	-621.105
438	5	0.834498	297.311	-616.933
439	5	0.841621	298.02	-612.724
440	5	0.848786	298.74	-608.481
441	5	0.855996	299.473	-604.201
442	5	0.863249	300.218	-599.884
443	5	0.866894	300.969	-595.55
444	5	0.874218	301.734	-591.179
445	5	0.881587	302.511	-586.771
446	5	0.889006	303.301	-582.326
447	5	0.896473	304.105	-577.843
448	5	0.903992	304.922	-573.323
449	5	0.907769	305.746	-568.785
450	5	0.915365	306.584	-564.208
451	5	0.923014	307.436	-559.593
452	5	0.930718	308.302	-554.939
453	5	0.938476	309.183	-550.247
454	5	0.942375	310.071	-545.535
455	5	0.950222	310.974	-540.784
456	5	0.958125	311.892	-535.993
457	5	0.966088	312.825	-531.163
458	5	0.974114	313.774	-526.292
459	5	0.982202	314.739	-521.381
460	5	0.986272	315.712	-516.45
461	5	0.994457	316.701	-511.477
462	5	1.00271	317.706	-506.464
463	5	1.01104	318.728	-501.409
464	5	1.01943	319.767	-496.312
465	5	1.02365	320.815	-491.193
466	5	1.03215	321.881	-486.033
467	5	1.04073	322.964	-480.829
468	5	1.04939	324.065	-475.582
469	5	1.05812	325.185	-470.291
470	5	1.06694	326.323	-464.957
471	5	1.07138	327.471	-459.6
472	5	1.08032	328.638	-454.198
473	5	1.08935	329.825	-448.751
474	5	1.09847	331.031	-443.259
475	5	1.10768	332.258	-437.721
476	5	1.11699	333.506	-432.136
477	5	1.12168	334.764	-426.527
478	5	1.13113	336.043	-420.872
479	5	1.14069	337.345	-415.168
480	5	1.15035	338.668	-409.417
481	5	1.16012	340.014	-403.616
482	5	1.16505	341.371	-397.791
483	5	1.17499	342.752	-391.916
484	5	1.18504	344.156	-385.991
485	5	1.19522	345.585	-380.014
486	5	1.20553	347.038	-373.987
487	5	1.21596	348.516	-367.907
488	5	1.22123	350.008	-361.801

489	5	1.23187	351.525	-355.642
490	5	1.24264	353.069	-349.428
491	5	1.25357	354.641	-343.161
492	5	1.26464	356.24	-336.837
493	5	1.27024	357.854	-330.486
494	5	1.28155	359.496	-324.078
495	5	1.29303	361.168	-317.613
496	5	1.30469	362.87	-311.09
497	5	1.31652	364.603	-304.507
498	5	1.32854	366.368	-297.864
499	5	1.33462	368.15	-291.191
500	5	1.34694	369.964	-284.457
501	5	1.35946	371.812	-277.659
502	5	1.3722	373.695	-270.798
503	5	1.38517	375.614	-263.872
504	5	1.39838	377.569	-256.881
505	5	1.40507	379.543	-249.855
506	5	1.41865	381.556	-242.762
507	5	1.4325	383.608	-235.599
508	5	1.44663	385.701	-228.366
509	5	1.46106	387.835	-221.061
510	5	1.46838	389.992	-213.719
511	5	1.48328	392.192	-206.303
512	5	1.49852	394.437	-198.81
513	5	1.5141	396.73	-191.24
514	5	1.53007	399.071	-183.589
515	5	1.54643	401.462	-175.857
516	5	1.55477	403.88	-168.083
517	5	1.57179	406.35	-160.224
518	5	1.58927	408.876	-152.278
519	5	1.60725	411.459	-144.242
520	5	1.62576	414.102	-136.113
521	5	1.63524	416.776	-127.937
522	5	1.65463	419.514	-119.664
523	5	1.67466	422.319	-111.29
524	5	1.6954	425.193	-102.813
525	5	1.71688	428.141	-94.2288
526	5	1.7392	431.166	-85.5328
527	5.1	1.75069	434.23	-76.6043
528	5.2	1.77438	437.379	-67.3776
529	5.2	1.79912	440.616	-58.0221
530	5.2	1.82501	443.946	-48.5321
531	6.7	1.85218	447.377	-36.1225
532	7	1.88079	450.914	-22.957
533	8.7	1.8957	454.508	-6.46445
534	9	1.92684	458.221	10.8771
535	9.6	1.95996	462.062	29.6927
536	12	1.99539	466.044	53.6375
537	12	2.03352	470.179	78.0397
538	12	2.05375	474.397	102.685
539	15	2.09693	478.794	134.139
540	20	2.14441	483.392	177.027
541	52	2.19728	488.22	291.286
542	66	2.25713	493.315	440.256
543	77	2.32634	498.727	619.384
544	87	2.36561	504.323	825.193
545	95.4	2.45727	510.361	1059.62
546	150	2.57583	516.996	1445.99
547	160	2.74777	524.546	1885.63
548	190	0	524.546	1885.63

Data Set Standard Deviation = 13.8409

Numerator = 3.55562e+006

Denominator = 5.49664e+007

W Statistic = 0.0646871 = 3.55562e+006 / 5.49664e+007

5% Critical value of 0.976 exceeds 0.0646871

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0646871

Shapiro-Francia Test of Normality

Parameter: Trichloroethylene (-ethylene)

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 548

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.48	0	0	0
2	0.48	-2.74777	7.55021	-1.31893
3	0.53	-2.57583	14.1851	-2.68412
4	0.9	-2.45727	20.2233	-4.89567
5	0.91	-2.36561	25.8195	-7.04837
6	1.2	-2.32634	31.2313	-9.83998
7	1.9	-2.25713	36.326	-14.1285
8	2.5	-2.19728	41.154	-19.6217
9	3	-2.14441	45.7525	-26.055
10	3.1	-2.09693	50.1496	-32.5554
11	3.3	-2.05375	54.3675	-39.3328
12	3.6	-2.03352	58.5027	-46.6535
13	3.6	-1.99539	62.4843	-53.8369
14	4.1	-1.95996	66.3258	-61.8728
15	4.7	-1.92684	70.0385	-70.9289
16	5	-1.8957	73.6321	-80.4074
17	5	-1.88079	77.1695	-89.8113
18	5	-1.85218	80.6	-99.0722
19	5	-1.82501	83.9307	-108.197
20	5	-1.79912	87.1675	-117.193
21	5	-1.77438	90.3159	-126.065
22	5	-1.75069	93.3808	-134.818
23	5	-1.7392	96.4057	-143.514
24	5	-1.71688	99.3533	-152.099
25	5	-1.6954	102.228	-160.576
26	5	-1.67466	105.032	-168.949
27	5	-1.65463	107.77	-177.222
28	5	-1.63524	110.444	-185.398
29	5	-1.62576	113.087	-193.527
30	5	-1.60725	115.67	-201.563
31	5	-1.58927	118.196	-209.51
32	5	-1.57179	120.667	-217.369
33	5	-1.55477	123.084	-225.142
34	5	-1.54643	125.475	-232.875
35	5	-1.53007	127.817	-240.525
36	5	-1.5141	130.109	-248.095
37	5	-1.49852	132.355	-255.588
38	5	-1.48328	134.555	-263.004
39	5	-1.46838	136.711	-270.346
40	5	-1.46106	138.846	-277.652
41	5	-1.44663	140.938	-284.885
42	5	-1.4325	142.99	-292.047
43	5	-1.41865	145.003	-299.141
44	5	-1.40507	146.977	-306.166
45	5	-1.39838	148.933	-313.158
46	5	-1.38517	150.851	-320.084
47	5	-1.3722	152.734	-326.945
48	5	-1.35946	154.582	-333.742
49	5	-1.34694	156.397	-340.477
50	5	-1.33462	158.178	-347.15
51	5	-1.32854	159.943	-353.792
52	5	-1.31652	161.676	-360.375
53	5	-1.30469	163.378	-366.899
54	5	-1.29303	165.05	-373.364
55	5	-1.28155	166.693	-379.771
56	5	-1.27024	168.306	-386.123
57	5	-1.26464	169.905	-392.446
58	5	-1.25357	171.477	-398.714
59	5	-1.24264	173.021	-404.927
60	5	-1.23187	174.539	-411.086
61	5	-1.22123	176.03	-417.192
62	5	-1.21596	177.508	-423.272

63	5	-1.20553	178.962	-429.3
64	5	-1.19522	180.39	-435.276
65	5	-1.18504	181.795	-441.201
66	5	-1.17499	183.175	-447.076
67	5	-1.16505	184.533	-452.901
68	5	-1.16012	185.878	-458.702
69	5	-1.15035	187.202	-464.454
70	5	-1.14069	188.503	-470.157
71	5	-1.13113	189.782	-475.813
72	5	-1.12168	191.041	-481.421
73	5	-1.11699	192.288	-487.006
74	5	-1.10768	193.515	-492.544
75	5	-1.09847	194.722	-498.037
76	5	-1.08935	195.908	-503.484
77	5	-1.08032	197.076	-508.885
78	5	-1.07138	198.223	-514.242
79	5	-1.06694	199.362	-519.577
80	5	-1.05812	200.481	-524.867
81	5	-1.04939	201.583	-530.114
82	5	-1.04073	202.666	-535.318
83	5	-1.03215	203.731	-540.479
84	5	-1.02365	204.779	-545.597
85	5	-1.01943	205.818	-550.694
86	5	-1.01104	206.84	-555.749
87	5	-1.00271	207.846	-560.763
88	5	-0.994457	208.835	-565.735
89	5	-0.986272	209.807	-570.666
90	5	-0.982202	210.772	-575.577
91	5	-0.974114	211.721	-580.448
92	5	-0.966088	212.654	-585.278
93	5	-0.958125	213.572	-590.069
94	5	-0.950222	214.475	-594.82
95	5	-0.942375	215.363	-599.532
96	5	-0.938476	216.244	-604.224
97	5	-0.930718	217.11	-608.878
98	5	-0.923014	217.962	-613.493
99	5	-0.915365	218.8	-618.07
100	5	-0.907769	219.624	-622.609
101	5	-0.903992	220.441	-627.129
102	5	-0.896473	221.245	-631.611
103	5	-0.889006	222.035	-636.056
104	5	-0.881587	222.813	-640.464
105	5	-0.874218	223.577	-644.835
106	5	-0.866894	224.328	-649.17
107	5	-0.863249	225.074	-653.486
108	5	-0.855996	225.806	-657.766
109	5	-0.848786	226.527	-662.01
110	5	-0.841621	227.235	-666.218
111	5	-0.834498	227.932	-670.39
112	5	-0.827417	228.616	-674.527
113	5	-0.823893	229.295	-678.647
114	5	-0.816874	229.962	-682.731
115	5	-0.809896	230.618	-686.781
116	5	-0.802956	231.263	-690.796
117	5	-0.796056	231.897	-694.776
118	5	-0.792618	232.525	-698.739
119	5	-0.785774	233.142	-702.668
120	5	-0.778966	233.749	-706.563
121	5	-0.772193	234.345	-710.424
122	5	-0.765456	234.931	-714.251
123	5	-0.758753	235.507	-718.045
124	5	-0.755415	236.078	-721.822
125	5	-0.748762	236.638	-725.566
126	5	-0.742143	237.189	-729.276
127	5	-0.735557	237.73	-732.954
128	5	-0.729003	238.262	-736.599
129	5	-0.725736	238.788	-740.228
130	5	-0.719228	239.306	-743.824
131	5	-0.712751	239.814	-747.388
132	5	-0.706302	240.312	-750.919
133	5	-0.699883	240.802	-754.419

134	5	-0.693493	241.283	-757.886
135	5	-0.690309	241.76	-761.338
136	5	-0.68396	242.228	-764.757
137	5	-0.677639	242.687	-768.146
138	5	-0.671346	243.137	-771.502
139	5	-0.665079	243.58	-774.828
140	5	-0.658838	244.014	-778.122
141	5	-0.655726	244.444	-781.401
142	5	-0.649522	244.866	-784.648
143	5	-0.643345	245.28	-787.865
144	5	-0.637192	245.686	-791.051
145	5	-0.631062	246.084	-794.206
146	5	-0.628006	246.478	-797.346
147	5	-0.621911	246.865	-800.456
148	5	-0.615839	247.244	-803.535
149	5	-0.609791	247.616	-806.584
150	5	-0.603765	247.981	-809.603
151	5	-0.597761	248.338	-812.592
152	5	-0.594766	248.692	-815.565
153	5	-0.588793	249.038	-818.509
154	5	-0.582841	249.378	-821.424
155	5	-0.576911	249.711	-824.308
156	5	-0.570999	250.037	-827.163
157	5	-0.568052	250.36	-830.003
158	5	-0.56217	250.676	-832.814
159	5	-0.556308	250.985	-835.596
160	5	-0.550465	251.288	-838.348
161	5	-0.544642	251.585	-841.071
162	5	-0.538836	251.875	-843.765
163	5	-0.53594	252.162	-846.445
164	5	-0.530162	252.443	-849.096
165	5	-0.524401	252.718	-851.718
166	5	-0.518658	252.987	-854.311
167	5	-0.51293	253.251	-856.876
168	5	-0.507221	253.508	-859.412
169	5	-0.504372	253.762	-861.934
170	5	-0.498687	254.011	-864.427
171	5	-0.493018	254.254	-866.892
172	5	-0.487364	254.491	-869.329
173	5	-0.481728	254.724	-871.738
174	5	-0.478914	254.953	-874.132
175	5	-0.473299	255.177	-876.499
176	5	-0.467699	255.396	-878.837
177	5	-0.462114	255.609	-881.148
178	5	-0.456542	255.818	-883.431
179	5	-0.450985	256.021	-885.686
180	5	-0.448213	256.222	-887.927
181	5	-0.442676	256.418	-890.14
182	5	-0.437153	256.609	-892.326
183	5	-0.431644	256.795	-894.484
184	5	-0.426148	256.977	-896.615
185	5	-0.423405	257.156	-898.732
186	5	-0.417928	257.331	-900.821
187	5	-0.412463	257.501	-902.884
188	5	-0.40701	257.667	-904.919
189	5	-0.401571	257.828	-906.927
190	5	-0.396142	257.985	-908.907
191	5	-0.393433	258.14	-910.875
192	5	-0.388022	258.29	-912.815
193	5	-0.382622	258.437	-914.728
194	5	-0.377233	258.579	-916.614
195	5	-0.371856	258.717	-918.473
196	5	-0.36649	258.851	-920.306
197	5	-0.363809	258.984	-922.125
198	5	-0.358459	259.112	-923.917
199	5	-0.353118	259.237	-925.683
200	5	-0.347787	259.358	-927.421
201	5	-0.342466	259.475	-929.134
202	5	-0.33981	259.591	-930.833
203	5	-0.334503	259.703	-932.505
204	5	-0.329206	259.811	-934.151

205	5	-0.323919	259.916	-935.771
206	5	-0.318639	260.017	-937.364
207	5	-0.31337	260.116	-938.931
208	5	-0.310738	260.212	-940.485
209	5	-0.305481	260.305	-942.012
210	5	-0.300232	260.396	-943.513
211	5	-0.294992	260.483	-944.988
212	5	-0.28976	260.567	-946.437
213	5	-0.287147	260.649	-947.873
214	5	-0.281926	260.729	-949.282
215	5	-0.276714	260.805	-950.666
216	5	-0.271509	260.879	-952.024
217	5	-0.266311	260.95	-953.355
218	5	-0.26112	261.018	-954.661
219	5	-0.258527	261.085	-955.953
220	5	-0.253347	261.149	-957.22
221	5	-0.248174	261.211	-958.461
222	5	-0.243007	261.27	-959.676
223	5	-0.237847	261.326	-960.865
224	5	-0.232693	261.38	-962.029
225	5	-0.230118	261.433	-963.179
226	5	-0.224974	261.484	-964.304
227	5	-0.219834	261.532	-965.403
228	5	-0.214702	261.578	-966.477
229	5	-0.209575	261.622	-967.525
230	5	-0.207012	261.665	-968.56
231	5	-0.201894	261.706	-969.569
232	5	-0.196779	261.745	-970.553
233	5	-0.191671	261.781	-971.511
234	5	-0.186567	261.816	-972.444
235	5	-0.181468	261.849	-973.352
236	5	-0.17892	261.881	-974.246
237	5	-0.173829	261.911	-975.115
238	5	-0.168741	261.94	-975.959
239	5	-0.163659	261.967	-976.777
240	5	-0.158579	261.992	-977.57
241	5	-0.156042	262.016	-978.351
242	5	-0.150969	262.039	-979.105
243	5	-0.1459	262.06	-979.835
244	5	-0.140835	262.08	-980.539
245	5	-0.135774	262.098	-981.218
246	5	-0.130716	262.115	-981.871
247	5	-0.128189	262.132	-982.512
248	5	-0.123135	262.147	-983.128
249	5	-0.118085	262.161	-983.719
250	5	-0.113039	262.174	-984.284
251	5	-0.107995	262.185	-984.824
252	5	-0.102953	262.196	-985.338
253	5	-0.100433	262.206	-985.841
254	5	-0.0953969	262.215	-986.318
255	5	-0.0903606	262.223	-986.769
256	5	-0.0853288	262.231	-987.196
257	5	-0.0802981	262.237	-987.598
258	5	-0.0777834	262.243	-987.986
259	5	-0.0727562	262.248	-988.35
260	5	-0.0677301	262.253	-988.689
261	5	-0.0627062	262.257	-989.002
262	5	-0.0576847	262.26	-989.291
263	5	-0.0526632	262.263	-989.554
264	5	-0.0501541	262.266	-989.805
265	5	-0.0451348	262.268	-990.031
266	5	-0.0401167	262.269	-990.231
267	5	-0.0350997	262.27	-990.407
268	5	-0.0300838	262.271	-990.557
269	5	-0.0275759	262.272	-990.695
270	5	-0.0225612	262.273	-990.808
271	5	-0.0175476	262.273	-990.896
272	5	-0.0125328	262.273	-990.958
273	5	-0.00751925	262.273	-990.996
274	5	-0.0025068	262.273	-991.008
275	5	0.0025068	262.273	-990.996

276	5	0.00751925	262.273	-990.958
277	5	0.0125328	262.273	-990.896
278	5	0.0175476	262.274	-990.808
279	5	0.0225612	262.274	-990.695
280	5	0.0275759	262.275	-990.557
281	5	0.0300838	262.276	-990.407
282	5	0.0350997	262.277	-990.231
283	5	0.0401167	262.279	-990.031
284	5	0.0451348	262.281	-989.805
285	5	0.0501541	262.283	-989.554
286	5	0.0526632	262.286	-989.291
287	5	0.0576847	262.289	-989.002
288	5	0.0627062	262.293	-988.689
289	5	0.0677301	262.298	-988.35
290	5	0.0727562	262.303	-987.986
291	5	0.0777834	262.309	-987.598
292	5	0.0802981	262.316	-987.196
293	5	0.0853288	262.323	-986.769
294	5	0.0903606	262.331	-986.318
295	5	0.0953969	262.34	-985.841
296	5	0.100433	262.35	-985.338
297	5	0.102953	262.361	-984.824
298	5	0.107995	262.373	-984.284
299	5	0.113039	262.385	-983.719
300	5	0.118085	262.399	-983.128
301	5	0.123135	262.414	-982.512
302	5	0.128189	262.431	-981.871
303	5	0.130716	262.448	-981.218
304	5	0.135774	262.466	-980.539
305	5	0.140835	262.486	-979.835
306	5	0.1459	262.508	-979.105
307	5	0.150969	262.53	-978.351
308	5	0.156042	262.555	-977.57
309	5	0.158579	262.58	-976.777
310	5	0.163659	262.607	-975.959
311	5	0.168741	262.635	-975.115
312	5	0.173829	262.665	-974.246
313	5	0.17892	262.697	-973.352
314	5	0.181468	262.73	-972.444
315	5	0.186567	262.765	-971.511
316	5	0.191671	262.802	-970.553
317	5	0.196779	262.841	-969.569
318	5	0.201894	262.881	-968.56
319	5	0.207012	262.924	-967.525
320	5	0.209575	262.968	-966.477
321	5	0.214702	263.014	-965.403
322	5	0.219834	263.062	-964.304
323	5	0.224974	263.113	-963.179
324	5	0.230118	263.166	-962.029
325	5	0.232693	263.22	-960.865
326	5	0.237847	263.277	-959.676
327	5	0.243007	263.336	-958.461
328	5	0.248174	263.397	-957.22
329	5	0.253347	263.462	-955.953
330	5	0.258527	263.528	-954.661
331	5	0.261112	263.597	-953.355
332	5	0.266311	263.668	-952.024
333	5	0.271509	263.741	-950.666
334	5	0.276714	263.818	-949.282
335	5	0.281926	263.897	-947.873
336	5	0.287147	263.98	-946.437
337	5	0.28976	264.064	-944.988
338	5	0.294992	264.151	-943.513
339	5	0.300232	264.241	-942.012
340	5	0.305481	264.334	-940.485
341	5	0.310738	264.431	-938.931
342	5	0.31337	264.529	-937.364
343	5	0.318639	264.63	-935.771
344	5	0.323919	264.735	-934.151
345	5	0.329206	264.844	-932.505
346	5	0.334503	264.956	-930.833

347	5	0.33981	265.071	-929.134
348	5	0.342466	265.188	-927.421
349	5	0.347787	265.309	-925.683
350	5	0.353118	265.434	-923.917
351	5	0.358459	265.563	-922.125
352	5	0.363809	265.695	-920.306
353	5	0.36649	265.829	-918.473
354	5	0.371856	265.968	-916.614
355	5	0.377233	266.11	-914.728
356	5	0.382622	266.256	-912.815
357	5	0.388022	266.407	-910.875
358	5	0.393433	266.562	-908.907
359	5	0.396142	266.718	-906.927
360	5	0.401571	266.88	-904.919
361	5	0.40701	267.045	-902.884
362	5	0.412463	267.216	-900.821
363	5	0.417928	267.39	-898.732
364	5	0.423405	267.569	-896.615
365	5	0.426148	267.751	-894.484
366	5	0.431644	267.937	-892.326
367	5	0.437153	268.128	-890.14
368	5	0.442676	268.324	-887.927
369	5	0.448213	268.525	-885.686
370	5	0.450985	268.729	-883.431
371	5	0.456542	268.937	-881.148
372	5	0.462114	269.151	-878.837
373	5	0.467699	269.369	-876.499
374	5	0.473299	269.593	-874.132
375	5	0.478914	269.823	-871.738
376	5	0.481728	270.055	-869.329
377	5	0.487364	270.292	-866.892
378	5	0.493018	270.535	-864.427
379	5	0.498687	270.784	-861.934
380	5	0.504372	271.039	-859.412
381	5	0.507221	271.296	-856.876
382	5	0.51293	271.559	-854.311
383	5	0.518658	271.828	-851.718
384	5	0.524401	272.103	-849.096
385	5	0.530162	272.384	-846.445
386	5	0.53594	272.671	-843.765
387	5	0.538836	272.962	-841.071
388	5	0.544642	273.258	-838.348
389	5	0.550465	273.561	-835.596
390	5	0.556308	273.871	-832.814
391	5	0.56217	274.187	-830.003
392	5	0.568052	274.509	-827.163
393	5	0.570999	274.835	-824.308
394	5	0.576911	275.168	-821.424
395	5	0.582841	275.508	-818.509
396	5	0.588793	275.855	-815.565
397	5	0.594766	276.208	-812.592
398	5	0.597761	276.566	-809.603
399	5	0.603765	276.93	-806.584
400	5	0.609791	277.302	-803.535
401	5	0.615839	277.681	-800.456
402	5	0.621911	278.068	-797.346
403	5	0.628006	278.463	-794.206
404	5	0.631062	278.861	-791.051
405	5	0.637192	279.267	-787.865
406	5	0.643345	279.681	-784.648
407	5	0.649522	280.103	-781.401
408	5	0.655726	280.533	-778.122
409	5	0.658838	280.967	-774.828
410	5	0.665079	281.409	-771.502
411	5	0.671346	281.86	-768.146
412	5	0.677639	282.319	-764.757
413	5	0.68396	282.787	-761.338
414	5	0.690309	283.263	-757.886
415	5	0.693493	283.744	-754.419
416	5	0.699883	284.234	-750.919
417	5	0.706302	284.733	-747.388

418	5	0.712751	285.241	-743.824
419	5	0.719228	285.758	-740.228
420	5	0.725736	286.285	-736.599
421	5	0.729003	286.816	-732.954
422	5	0.735557	287.357	-729.276
423	5	0.742143	287.908	-725.566
424	5	0.748762	288.469	-721.822
425	5	0.755415	289.039	-718.045
426	5	0.758753	289.615	-714.251
427	5	0.765456	290.201	-710.424
428	5	0.772193	290.797	-706.563
429	5	0.778966	291.404	-702.668
430	5	0.785774	292.021	-698.739
431	5	0.792618	292.65	-694.776
432	5	0.796056	293.283	-690.796
433	5	0.802956	293.928	-686.781
434	5	0.809896	294.584	-682.731
435	5	0.816874	295.251	-678.647
436	5	0.823893	295.93	-674.527
437	5	0.827417	296.615	-670.39
438	5	0.834498	297.311	-666.218
439	5	0.841621	298.02	-662.01
440	5	0.848786	298.74	-657.766
441	5	0.855996	299.473	-653.486
442	5	0.863249	300.218	-649.17
443	5	0.866894	300.969	-644.835
444	5	0.874218	301.734	-640.464
445	5	0.881587	302.511	-636.056
446	5	0.889006	303.301	-631.611
447	5	0.896473	304.105	-627.129
448	5	0.903992	304.922	-622.609
449	5	0.907769	305.746	-618.07
450	5	0.915365	306.584	-613.493
451	5	0.923014	307.436	-608.878
452	5	0.930718	308.302	-604.224
453	5	0.938476	309.183	-599.532
454	5	0.942375	310.071	-594.82
455	5	0.950222	310.974	-590.069
456	5	0.958125	311.892	-585.278
457	5	0.966088	312.825	-580.448
458	5	0.974114	313.774	-575.577
459	5	0.982202	314.739	-570.666
460	5	0.986272	315.712	-565.735
461	5	0.994457	316.701	-560.763
462	5	1.00271	317.706	-555.749
463	5	1.01104	318.728	-550.694
464	5	1.01943	319.767	-545.597
465	5	1.02365	320.815	-540.479
466	5	1.03215	321.881	-535.318
467	5	1.04073	322.964	-530.114
468	5	1.04939	324.065	-524.867
469	5	1.05812	325.185	-519.577
470	5	1.06694	326.323	-514.242
471	5	1.07138	327.471	-508.885
472	5	1.08032	328.638	-503.484
473	5	1.08935	329.825	-498.037
474	5	1.09847	331.031	-492.544
475	5	1.10768	332.258	-487.006
476	5	1.11699	333.506	-481.421
477	5	1.12168	334.764	-475.813
478	5	1.13113	336.043	-470.157
479	5	1.14069	337.345	-464.454
480	5	1.15035	338.668	-458.702
481	5	1.16012	340.014	-452.901
482	5	1.16505	341.371	-447.076
483	5	1.17499	342.752	-441.201
484	5	1.18504	344.156	-435.276
485	5	1.19522	345.585	-429.3
486	5	1.20553	347.038	-423.272
487	5	1.21596	348.516	-417.192
488	5	1.22123	350.008	-411.086

489	5	1.23187	351.525	-404.927
490	5	1.24264	353.069	-398.714
491	5	1.25357	354.641	-392.446
492	5	1.26464	356.24	-386.123
493	5	1.27024	357.854	-379.771
494	5	1.28155	359.496	-373.364
495	5	1.29303	361.168	-366.899
496	5	1.30469	362.87	-360.375
497	5	1.31652	364.603	-353.792
498	5	1.32854	366.368	-347.15
499	5	1.33462	368.15	-340.477
500	5	1.34694	369.964	-333.742
501	5	1.35946	371.812	-326.945
502	5	1.3722	373.695	-320.084
503	5	1.38517	375.614	-313.158
504	5	1.39838	377.569	-306.166
505	5	1.40507	379.543	-299.141
506	5	1.41865	381.556	-292.047
507	5	1.4325	383.608	-284.885
508	5	1.44663	385.701	-277.652
509	5	1.46106	387.835	-270.346
510	5	1.46838	389.992	-263.004
511	5	1.48328	392.192	-255.588
512	5	1.49852	394.437	-248.095
513	5	1.5141	396.73	-240.525
514	5	1.53007	399.071	-232.875
515	5	1.54643	401.462	-225.142
516	5	1.55477	403.88	-217.369
517	5	1.57179	406.35	-209.51
518	5	1.58927	408.876	-201.563
519	5	1.60725	411.459	-193.527
520	5	1.62576	414.102	-185.398
521	5	1.63524	416.776	-177.222
522	5	1.65463	419.514	-168.949
523	5	1.67466	422.319	-160.576
524	5	1.6954	425.193	-152.099
525	5	1.71688	428.141	-143.514
526	5	1.7392	431.166	-134.818
527	5	1.75069	434.23	-126.065
528	5	1.77438	437.379	-117.193
529	5	1.79912	440.616	-108.197
530	5	1.82501	443.946	-99.0722
531	5	1.85218	447.377	-89.8113
532	5	1.88079	450.914	-80.4074
533	5	1.8957	454.508	-70.9289
534	5	1.92684	458.221	-61.2947
535	5	1.95996	462.062	-51.4949
536	5	1.99539	466.044	-41.5179
537	5.5	2.03352	470.179	-30.3336
538	5.5	2.05375	474.397	-19.0379
539	10	2.09693	478.794	1.93137
540	20	2.14441	483.392	44.8195
541	56.2	2.19728	488.22	168.307
542	63	2.25713	493.315	310.506
543	73	2.32634	498.727	480.329
544	82	2.36561	504.323	674.309
545	90	2.45727	510.361	895.464
546	93	2.57583	516.996	1135.02
547	100	2.74777	524.546	1409.79
548	180	0	524.546	1409.79

Data Set Standard Deviation = 11.3697

Numerator = 1.98752e+006

Denominator = 3.70908e+007

W Statistic = 0.0535851 = 1.98752e+006 / 3.70908e+007

5% Critical value of 0.976 exceeds 0.0535851

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0535851

Shapiro-Francia Test of Normality

Parameter: Vinyl chloride

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 548

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.44	0	0	0
2	0.44	-2.74777	7.55021	-1.20902
3	0.45	-2.57583	14.1851	-2.36814
4	0.47	-2.45727	20.2233	-3.52306
5	0.47	-2.36561	25.8195	-4.6349
6	0.52	-2.32634	31.2313	-5.8446
7	0.73	-2.25713	36.326	-7.4923
8	0.8	-2.19728	41.154	-9.25013
9	0.9	-2.14441	45.7525	-11.1801
10	1.4	-2.09693	50.1496	-14.1158
11	1.6	-2.05375	54.3675	-17.4018
12	2.1	-2.03352	58.5027	-21.6722
13	2.6	-1.99539	62.4843	-26.8602
14	3.2	-1.95996	66.3258	-33.1321
15	3.5	-1.92684	70.0385	-39.876
16	3.6	-1.8957	73.6321	-46.7005
17	3.9	-1.88079	77.1695	-54.0356
18	4.8	-1.85218	80.6	-62.9261
19	5.1	-1.82501	83.9307	-72.2336
20	5.4	-1.79912	87.1675	-81.9488
21	5.4	-1.77438	90.3159	-91.5305
22	9	-1.75069	93.3808	-107.287
23	10	-1.7392	96.4057	-124.679
24	10	-1.71688	99.3533	-141.847
25	10	-1.6954	102.228	-158.801
26	10	-1.67466	105.032	-175.548
27	10	-1.65463	107.77	-192.094
28	10	-1.63524	110.444	-208.447
29	10	-1.62576	113.087	-224.704
30	10	-1.60725	115.67	-240.777
31	10	-1.58927	118.196	-256.67
32	10	-1.57179	120.667	-272.387
33	10	-1.55477	123.084	-287.935
34	10	-1.54643	125.475	-303.399
35	10	-1.53007	127.817	-318.7
36	10	-1.5141	130.109	-333.841
37	10	-1.49852	132.355	-348.826
38	10	-1.48328	134.555	-363.659
39	10	-1.46838	136.711	-378.343
40	10	-1.46106	138.846	-392.954
41	10	-1.44663	140.938	-407.42
42	10	-1.4325	142.99	-421.745
43	10	-1.41865	145.003	-435.931
44	10	-1.40507	146.977	-449.982
45	10	-1.39838	148.933	-463.966
46	10	-1.38517	150.851	-477.818
47	10	-1.3722	152.734	-491.54
48	10	-1.35946	154.582	-505.134
49	10	-1.34694	156.397	-518.604
50	10	-1.33462	158.178	-531.95
51	10	-1.32854	159.943	-545.235
52	10	-1.31652	161.676	-558.401
53	10	-1.30469	163.378	-571.447
54	10	-1.29303	165.05	-584.378
55	10	-1.28155	166.693	-597.193
56	10	-1.27024	168.306	-609.896
57	10	-1.26464	169.905	-622.542
58	10	-1.25357	171.477	-635.078
59	10	-1.24264	173.021	-647.504
60	10	-1.23187	174.539	-659.823
61	10	-1.22123	176.03	-672.035
62	10	-1.21596	177.508	-684.195

63	10	-1.20553	178.962	-696.25
64	10	-1.19522	180.39	-708.202
65	10	-1.18504	181.795	-720.053
66	10	-1.17499	183.175	-731.802
67	10	-1.16505	184.533	-743.453
68	10	-1.16012	185.878	-755.054
69	10	-1.15035	187.202	-766.558
70	10	-1.14069	188.503	-777.964
71	10	-1.13113	189.782	-789.276
72	10	-1.12168	191.041	-800.493
73	10	-1.11699	192.288	-811.662
74	10	-1.10768	193.515	-822.739
75	10	-1.09847	194.722	-833.724
76	10	-1.08935	195.908	-844.617
77	10	-1.08032	197.076	-855.421
78	10	-1.07138	198.223	-866.134
79	10	-1.06694	199.362	-876.804
80	10	-1.05812	200.481	-887.385
81	10	-1.04939	201.583	-897.879
82	10	-1.04073	202.666	-908.286
83	10	-1.03215	203.731	-918.608
84	10	-1.02365	204.779	-928.844
85	10	-1.01943	205.818	-939.039
86	10	-1.01104	206.84	-949.149
87	10	-1.00271	207.846	-959.176
88	10	-0.994457	208.835	-969.121
89	10	-0.986272	209.807	-978.983
90	10	-0.982202	210.772	-988.805
91	10	-0.974114	211.721	-998.546
92	10	-0.966088	212.654	-1008.21
93	10	-0.958125	213.572	-1017.79
94	10	-0.950222	214.475	-1027.29
95	10	-0.942375	215.363	-1036.71
96	10	-0.938476	216.244	-1046.1
97	10	-0.930718	217.11	-1055.41
98	10	-0.923014	217.962	-1064.64
99	10	-0.915365	218.8	-1073.79
100	10	-0.907769	219.624	-1082.87
101	10	-0.903992	220.441	-1091.91
102	10	-0.896473	221.245	-1100.87
103	10	-0.889006	222.035	-1109.76
104	10	-0.881587	222.813	-1118.58
105	10	-0.874218	223.577	-1127.32
106	10	-0.866894	224.328	-1135.99
107	10	-0.863249	225.074	-1144.62
108	10	-0.855996	225.806	-1153.18
109	10	-0.848786	226.527	-1161.67
110	10	-0.841621	227.235	-1170.09
111	10	-0.834498	227.932	-1178.43
112	10	-0.827417	228.616	-1186.71
113	10	-0.823893	229.295	-1194.94
114	10	-0.816874	229.962	-1203.11
115	10	-0.809896	230.618	-1211.21
116	10	-0.802956	231.263	-1219.24
117	10	-0.796056	231.897	-1227.2
118	10	-0.792618	232.525	-1235.13
119	10	-0.785774	233.142	-1242.99
120	10	-0.778966	233.749	-1250.78
121	10	-0.772193	234.345	-1258.5
122	10	-0.765456	234.931	-1266.15
123	10	-0.758753	235.507	-1273.74
124	10	-0.755415	236.078	-1281.29
125	10	-0.748762	236.638	-1288.78
126	10	-0.742143	237.189	-1296.2
127	10	-0.735557	237.73	-1303.56
128	10	-0.729003	238.262	-1310.85
129	10	-0.725736	238.788	-1318.11
130	10	-0.719228	239.306	-1325.3
131	10	-0.712751	239.814	-1332.43
132	10	-0.706302	240.312	-1339.49
133	10	-0.699883	240.802	-1346.49

134	10	-0.693493	241.283	-1353.42
135	10	-0.690309	241.76	-1360.33
136	10	-0.68396	242.228	-1367.17
137	10	-0.677639	242.687	-1373.94
138	10	-0.671346	243.137	-1380.65
139	10	-0.665079	243.58	-1387.31
140	10	-0.658838	244.014	-1393.89
141	10	-0.655726	244.444	-1400.45
142	10	-0.649522	244.866	-1406.95
143	10	-0.643345	245.28	-1413.38
144	10	-0.637192	245.686	-1419.75
145	10	-0.631062	246.084	-1426.06
146	10	-0.628006	246.478	-1432.34
147	10	-0.621911	246.865	-1438.56
148	10	-0.615839	247.244	-1444.72
149	10	-0.609791	247.616	-1450.82
150	10	-0.603765	247.981	-1456.86
151	10	-0.597761	248.338	-1462.83
152	10	-0.594766	248.692	-1468.78
153	10	-0.588793	249.038	-1474.67
154	10	-0.582841	249.378	-1480.5
155	10	-0.576911	249.711	-1486.27
156	10	-0.570999	250.037	-1491.98
157	10	-0.568052	250.36	-1497.66
158	10	-0.56217	250.676	-1503.28
159	10	-0.556308	250.985	-1508.84
160	10	-0.550465	251.288	-1514.35
161	10	-0.544642	251.585	-1519.79
162	10	-0.538836	251.875	-1525.18
163	10	-0.53594	252.162	-1530.54
164	10	-0.530162	252.443	-1535.84
165	10	-0.524401	252.718	-1541.09
166	10	-0.518658	252.987	-1546.27
167	10	-0.51293	253.251	-1551.4
168	10	-0.507221	253.508	-1556.47
169	10	-0.504372	253.762	-1561.52
170	10	-0.498687	254.011	-1566.5
171	10	-0.493018	254.254	-1571.44
172	10	-0.487364	254.491	-1576.31
173	10	-0.481728	254.724	-1581.13
174	10	-0.478914	254.953	-1585.92
175	10	-0.473299	255.177	-1590.65
176	10	-0.467699	255.396	-1595.33
177	10	-0.462114	255.609	-1599.95
178	10	-0.456542	255.818	-1604.51
179	10	-0.450985	256.021	-1609.02
180	10	-0.448213	256.222	-1613.5
181	10	-0.442676	256.418	-1617.93
182	10	-0.437153	256.609	-1622.3
183	10	-0.431644	256.795	-1626.62
184	10	-0.426148	256.977	-1630.88
185	10	-0.423405	257.156	-1635.11
186	10	-0.417928	257.331	-1639.29
187	10	-0.412463	257.501	-1643.42
188	10	-0.40701	257.667	-1647.49
189	10	-0.401571	257.828	-1651.5
190	10	-0.396142	257.985	-1655.47
191	10	-0.393433	258.14	-1659.4
192	10	-0.388022	258.29	-1663.28
193	10	-0.382622	258.437	-1667.11
194	10	-0.377233	258.579	-1670.88
195	10	-0.371856	258.717	-1674.6
196	10	-0.36649	258.851	-1678.26
197	10	-0.363809	258.984	-1681.9
198	10	-0.358459	259.112	-1685.48
199	10	-0.353118	259.237	-1689.02
200	10	-0.347787	259.358	-1692.49
201	10	-0.342466	259.475	-1695.92
202	10	-0.33981	259.591	-1699.32
203	10	-0.334503	259.703	-1702.66
204	10	-0.329206	259.811	-1705.95

205	10	-0.323919	259.916	-1709.19
206	10	-0.318639	260.017	-1712.38
207	10	-0.31337	260.116	-1715.51
208	10	-0.310738	260.212	-1718.62
209	10	-0.305481	260.305	-1721.67
210	10	-0.300232	260.396	-1724.68
211	10	-0.294992	260.483	-1727.63
212	10	-0.28976	260.567	-1730.52
213	10	-0.287147	260.649	-1733.4
214	10	-0.281926	260.729	-1736.22
215	10	-0.276714	260.805	-1738.98
216	10	-0.271509	260.879	-1741.7
217	10	-0.266311	260.95	-1744.36
218	10	-0.26112	261.018	-1746.97
219	10	-0.258527	261.085	-1749.56
220	10	-0.253347	261.149	-1752.09
221	10	-0.248174	261.211	-1754.57
222	10	-0.243007	261.27	-1757
223	10	-0.237847	261.326	-1759.38
224	10	-0.232693	261.38	-1761.71
225	10	-0.230118	261.433	-1764.01
226	10	-0.224974	261.484	-1766.26
227	10	-0.219834	261.532	-1768.46
228	10	-0.214702	261.578	-1770.6
229	10	-0.209575	261.622	-1772.7
230	10	-0.207012	261.665	-1774.77
231	10	-0.201894	261.706	-1776.79
232	10	-0.196779	261.745	-1778.76
233	10	-0.191671	261.781	-1780.67
234	10	-0.186567	261.816	-1782.54
235	10	-0.181468	261.849	-1784.35
236	10	-0.17892	261.881	-1786.14
237	10	-0.173829	261.911	-1787.88
238	10	-0.168741	261.94	-1789.57
239	10	-0.163659	261.967	-1791.21
240	10	-0.158579	261.992	-1792.79
241	10	-0.156042	262.016	-1794.35
242	10	-0.150969	262.039	-1795.86
243	10	-0.1459	262.06	-1797.32
244	10	-0.140835	262.08	-1798.73
245	10	-0.135774	262.098	-1800.09
246	10	-0.130716	262.115	-1801.39
247	10	-0.128189	262.132	-1802.68
248	10	-0.123135	262.147	-1803.91
249	10	-0.118085	262.161	-1805.09
250	10	-0.113039	262.174	-1806.22
251	10	-0.107995	262.185	-1807.3
252	10	-0.102953	262.196	-1808.33
253	10	-0.100433	262.206	-1809.33
254	10	-0.0953969	262.215	-1810.29
255	10	-0.0903606	262.223	-1811.19
256	10	-0.0853288	262.231	-1812.04
257	10	-0.0802981	262.237	-1812.85
258	10	-0.0777834	262.243	-1813.62
259	10	-0.0727562	262.248	-1814.35
260	10	-0.0677301	262.253	-1815.03
261	10	-0.0627062	262.257	-1815.66
262	10	-0.0576847	262.26	-1816.23
263	10	-0.0526632	262.263	-1816.76
264	10	-0.0501541	262.266	-1817.26
265	10	-0.0451348	262.268	-1817.71
266	10	-0.0401167	262.269	-1818.11
267	10	-0.0350997	262.27	-1818.46
268	10	-0.0300838	262.271	-1818.76
269	10	-0.0275759	262.272	-1819.04
270	10	-0.0225612	262.273	-1819.27
271	10	-0.0175476	262.273	-1819.44
272	10	-0.0125328	262.273	-1819.57
273	10	-0.00751925	262.273	-1819.64
274	10	-0.0025068	262.273	-1819.67
275	10	0.0025068	262.273	-1819.64

276	10	0.00751925	262.273	-1819.57
277	10	0.0125328	262.273	-1819.44
278	10	0.0175476	262.274	-1819.27
279	10	0.0225612	262.274	-1819.04
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281	10	0.0300838	262.276	-1818.46
282	10	0.0350997	262.277	-1818.11
283	10	0.0401167	262.279	-1817.71
284	10	0.0451348	262.281	-1817.26
285	10	0.0501541	262.283	-1816.76
286	10	0.0526632	262.286	-1816.23
287	10	0.0576847	262.289	-1815.66
288	10	0.0627062	262.293	-1815.03
289	10	0.0677301	262.298	-1814.35
290	10	0.0727562	262.303	-1813.62
291	10	0.0777834	262.309	-1812.85
292	10	0.0802981	262.316	-1812.04
293	10	0.0853288	262.323	-1811.19
294	10	0.0903606	262.331	-1810.29
295	10	0.0953969	262.34	-1809.33
296	10	0.100433	262.35	-1808.33
297	10	0.102953	262.361	-1807.3
298	10	0.107995	262.373	-1806.22
299	10	0.113039	262.385	-1805.09
300	10	0.118085	262.399	-1803.91
301	10	0.123135	262.414	-1802.68
302	10	0.128189	262.431	-1801.39
303	10	0.130716	262.448	-1800.09
304	10	0.135774	262.466	-1798.73
305	10	0.140835	262.486	-1797.32
306	10	0.1459	262.508	-1795.86
307	10	0.150969	262.53	-1794.35
308	10	0.156042	262.555	-1792.79
309	10	0.158579	262.58	-1791.21
310	10	0.163659	262.607	-1789.57
311	10	0.168741	262.635	-1787.88
312	10	0.173829	262.665	-1786.14
313	10	0.17892	262.697	-1784.35
314	10	0.181468	262.73	-1782.54
315	10	0.186567	262.765	-1780.67
316	10	0.191671	262.802	-1778.76
317	10	0.196779	262.841	-1776.79
318	10	0.201894	262.881	-1774.77
319	10	0.207012	262.924	-1772.7
320	10	0.209575	262.968	-1770.6
321	10	0.214702	263.014	-1768.46
322	10	0.219834	263.062	-1766.26
323	10	0.224974	263.113	-1764.01
324	10	0.230118	263.166	-1761.71
325	10	0.232693	263.22	-1759.38
326	10	0.237847	263.277	-1757
327	10	0.243007	263.336	-1754.57
328	10	0.248174	263.397	-1752.09
329	10	0.253347	263.462	-1749.56
330	10	0.258527	263.528	-1746.97
331	10	0.26112	263.597	-1744.36
332	10	0.266311	263.668	-1741.7
333	10	0.271509	263.741	-1738.98
334	10	0.276714	263.818	-1736.22
335	10	0.281926	263.897	-1733.4
336	10	0.287147	263.98	-1730.52
337	10	0.28976	264.064	-1727.63
338	10	0.294992	264.151	-1724.68
339	10	0.300232	264.241	-1721.67
340	10	0.305481	264.334	-1718.62
341	10	0.310738	264.431	-1715.51
342	10	0.31337	264.529	-1712.38
343	10	0.318639	264.63	-1709.19
344	10	0.323919	264.735	-1705.95
345	10	0.329206	264.844	-1702.66
346	10	0.334503	264.956	-1699.32

347	10	0.33981	265.071	-1695.92
348	10	0.342466	265.188	-1692.49
349	10	0.347787	265.309	-1689.02
350	10	0.353118	265.434	-1685.48
351	10	0.358459	265.563	-1681.9
352	10	0.363809	265.695	-1678.26
353	10	0.36649	265.829	-1674.6
354	10	0.371856	265.968	-1670.88
355	10	0.377233	266.11	-1667.11
356	10	0.382622	266.256	-1663.28
357	10	0.388022	266.407	-1659.4
358	10	0.393433	266.562	-1655.47
359	10	0.396142	266.718	-1651.5
360	10	0.401571	266.88	-1647.49
361	10	0.40701	267.045	-1643.42
362	10	0.412463	267.216	-1639.29
363	10	0.417928	267.39	-1635.11
364	10	0.423405	267.569	-1630.88
365	10	0.426148	267.751	-1626.62
366	10	0.431644	267.937	-1622.3
367	10	0.437153	268.128	-1617.93
368	10	0.442676	268.324	-1613.5
369	10	0.448213	268.525	-1609.02
370	10	0.450985	268.729	-1604.51
371	10	0.456542	268.937	-1599.95
372	10	0.462114	269.151	-1595.33
373	10	0.467699	269.369	-1590.65
374	10	0.473299	269.593	-1585.92
375	10	0.478914	269.823	-1581.13
376	10	0.481728	270.055	-1576.31
377	10	0.487364	270.292	-1571.44
378	10	0.493018	270.535	-1566.5
379	10	0.498687	270.784	-1561.52
380	10	0.504372	271.039	-1556.47
381	10	0.507221	271.296	-1551.4
382	10	0.51293	271.559	-1546.27
383	10	0.518658	271.828	-1541.09
384	10	0.524401	272.103	-1535.84
385	10	0.530162	272.384	-1530.54
386	10	0.53594	272.671	-1525.18
387	10	0.538836	272.962	-1519.79
388	10	0.544642	273.258	-1514.35
389	10	0.550465	273.561	-1508.84
390	10	0.556308	273.871	-1503.28
391	10	0.56217	274.187	-1497.66
392	10	0.568052	274.509	-1491.98
393	10	0.570999	274.835	-1486.27
394	10	0.576911	275.168	-1480.5
395	10	0.582841	275.508	-1474.67
396	10	0.588793	275.855	-1468.78
397	10	0.594766	276.208	-1462.83
398	10	0.597761	276.566	-1456.86
399	10	0.603765	276.93	-1450.82
400	10	0.609791	277.302	-1444.72
401	10	0.615839	277.681	-1438.56
402	10	0.621911	278.068	-1432.34
403	10	0.628006	278.463	-1426.06
404	10	0.631062	278.861	-1419.75
405	10	0.637192	279.267	-1413.38
406	10	0.643345	279.681	-1406.95
407	10	0.649522	280.103	-1400.45
408	10	0.655726	280.533	-1393.89
409	10	0.658838	280.967	-1387.31
410	10	0.665079	281.409	-1380.65
411	10	0.671346	281.86	-1373.94
412	10	0.677639	282.319	-1367.17
413	10	0.68396	282.787	-1360.33
414	10	0.690309	283.263	-1353.42
415	10	0.693493	283.744	-1346.49
416	10	0.699883	284.234	-1339.49
417	10	0.706302	284.733	-1332.43

418	10	0.712751	285.241	-1325.3
419	10	0.719228	285.758	-1318.11
420	10	0.725736	286.285	-1310.85
421	10	0.729003	286.816	-1303.56
422	10	0.735557	287.357	-1296.2
423	10	0.742143	287.908	-1288.78
424	10	0.748762	288.469	-1281.29
425	10	0.755415	289.039	-1273.74
426	10	0.758753	289.615	-1266.15
427	10	0.765456	290.201	-1258.5
428	10	0.772193	290.797	-1250.78
429	10	0.778966	291.404	-1242.99
430	10	0.785774	292.021	-1235.13
431	10	0.792618	292.65	-1227.2
432	10	0.796056	293.283	-1219.24
433	10	0.802956	293.928	-1211.21
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435	10	0.816874	295.251	-1194.94
436	10	0.823893	295.93	-1186.71
437	10	0.827417	296.615	-1178.43
438	10	0.834498	297.311	-1170.09
439	10	0.841621	298.02	-1161.67
440	10	0.848786	298.74	-1153.18
441	10	0.855996	299.473	-1144.62
442	10	0.863249	300.218	-1135.99
443	10	0.866894	300.969	-1127.32
444	10	0.874218	301.734	-1118.58
445	10	0.881587	302.511	-1109.76
446	10	0.889006	303.301	-1100.87
447	10	0.896473	304.105	-1091.91
448	10	0.903992	304.922	-1082.87
449	10	0.907769	305.746	-1073.79
450	10	0.915365	306.584	-1064.64
451	10	0.923014	307.436	-1055.41
452	10	0.930718	308.302	-1046.1
453	10	0.938476	309.183	-1036.71
454	10	0.942375	310.071	-1027.29
455	10	0.950222	310.974	-1017.79
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458	10	0.974114	313.774	-988.805
459	10	0.982202	314.739	-978.983
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461	10	0.994457	316.701	-959.176
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463	10	1.01104	318.728	-939.039
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470	10	1.06694	326.323	-866.134
471	10	1.07138	327.471	-855.421
472	10	1.08032	328.638	-844.617
473	10	1.08935	329.825	-833.724
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475	10	1.10768	332.258	-811.662
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479	10	1.14069	337.345	-766.558
480	10	1.15035	338.668	-755.054
481	10	1.16012	340.014	-743.453
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483	10	1.17499	342.752	-720.053
484	10	1.18504	344.156	-708.202
485	10	1.19522	345.585	-696.25
486	10	1.20553	347.038	-684.195
487	10	1.21596	348.516	-672.035
488	10	1.22123	350.008	-659.823

489	10	1.23187	351.525	-647.504
490	10	1.24264	353.069	-635.078
491	10	1.25357	354.641	-622.542
492	10	1.26464	356.24	-609.896
493	10	1.27024	357.854	-597.193
494	10	1.28155	359.496	-584.378
495	10	1.29303	361.168	-571.447
496	10	1.30469	362.87	-558.401
497	10	1.31652	364.603	-545.235
498	10	1.32854	366.368	-531.95
499	10	1.33462	368.15	-518.604
500	10	1.34694	369.964	-505.134
501	10	1.35946	371.812	-491.54
502	10	1.3722	373.695	-477.818
503	10	1.38517	375.614	-463.966
504	10	1.39838	377.569	-449.982
505	10	1.40507	379.543	-435.931
506	10	1.41865	381.556	-421.745
507	10	1.4325	383.608	-407.42
508	10	1.44663	385.701	-392.954
509	10	1.46106	387.835	-378.343
510	10	1.46838	389.992	-363.659
511	10	1.48328	392.192	-348.826
512	10	1.49852	394.437	-333.841
513	10	1.5141	396.73	-318.7
514	10	1.53007	399.071	-303.399
515	10	1.54643	401.462	-287.935
516	10	1.55477	403.88	-272.387
517	10	1.57179	406.35	-256.67
518	10	1.58927	408.876	-240.777
519	10	1.60725	411.459	-224.704
520	10	1.62576	414.102	-208.447
521	10	1.63524	416.776	-192.094
522	10	1.65463	419.514	-175.548
523	10	1.67466	422.319	-158.801
524	10	1.6954	425.193	-141.847
525	10	1.71688	428.141	-124.679
526	10	1.7392	431.166	-107.287
527	10	1.75069	434.23	-89.7798
528	10	1.77438	437.379	-72.036
529	10	1.79912	440.616	-54.0448
530	10	1.82501	443.946	-35.7948
531	10	1.85218	447.377	-17.273
532	10	1.88079	450.914	1.5349
533	10	1.8957	454.508	20.4919
534	10	1.92684	458.221	39.7602
535	10	1.95996	462.062	59.3598
536	10	1.99539	466.044	79.3138
537	10	2.03352	470.179	99.649
538	10	2.05375	474.397	120.186
539	10	2.09693	478.794	141.156
540	10	2.14441	483.392	162.6
541	10	2.19728	488.22	184.573
542	10	2.25713	493.315	207.144
543	10	2.32634	498.727	230.407
544	10	2.36561	504.323	254.064
545	10	2.45727	510.361	278.636
546	10	2.57583	516.996	304.395
547	12	2.74777	524.546	337.368
548	93	0	524.546	337.368

Data Set Standard Deviation = 3.87262

Numerator = 113817

Denominator = 4.30309e+006

W Statistic = 0.0264501 = 113817 / 4.30309e+006

5% Critical value of 0.976 exceeds 0.0264501

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0264501

Shapiro-Francia Test of Normality

Parameter: Arsenic

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 532

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1	0	0	0
2	1	-2.74777	7.55021	-2.74777
3	1	-2.57583	14.1851	-5.3236
4	1	-2.45727	20.2233	-7.78087
5	2.2	-2.36561	25.8195	-12.9852
6	2.4	-2.29036	31.0652	-18.4821
7	2.5	-2.22621	36.0212	-24.0476
8	2.5	-2.17009	40.7305	-29.4728
9	2.9	-2.14441	45.329	-35.6916
10	3.06	-2.09693	49.7261	-42.1082
11	3.08	-2.05375	53.944	-48.4338
12	3.1	-2.01409	58.0006	-54.6775
13	3.1	-1.97737	61.9105	-60.8073
14	3.3	-1.94314	65.6863	-67.2197
15	3.4	-1.91103	69.3384	-73.7172
16	3.73	-1.88079	72.8757	-80.7325
17	3.8	-1.86629	76.3588	-87.8244
18	3.81	-1.83843	79.7386	-94.8288
19	3.86	-1.81191	83.0216	-101.823
20	3.95	-1.78661	86.2136	-108.88
21	4.6	-1.76241	89.3197	-116.987
22	4.79	-1.7392	92.3445	-125.318
23	4.9	-1.71688	95.2922	-133.73
24	5.22	-1.6954	98.1666	-142.58
25	5.22	-1.68494	101.006	-151.376
26	6.24	-1.66456	103.776	-161.763
27	6.84	-1.64485	106.482	-173.014
28	10	-1.62576	109.125	-189.271
29	10	-1.60725	111.708	-205.344
30	10	-1.58927	114.234	-221.236
31	10	-1.57179	116.705	-236.954
32	10	-1.55477	119.122	-252.502
33	10	-1.54643	121.513	-267.966
34	10	-1.53007	123.854	-283.267
35	10	-1.5141	126.147	-298.408
36	10	-1.49852	128.392	-313.393
37	10	-1.48328	130.593	-328.226
38	10	-1.46838	132.749	-342.91
39	10	-1.4538	134.862	-357.448
40	10	-1.43953	136.935	-371.843
41	10	-1.4325	138.987	-386.168
42	10	-1.41865	140.999	-400.355
43	10	-1.40507	142.973	-414.405
44	10	-1.39175	144.91	-428.323
45	10	-1.37866	146.811	-442.109
46	10	-1.36581	148.676	-455.768
47	10	-1.35317	150.508	-469.299
48	10	-1.34075	152.305	-482.707
49	10	-1.33462	154.086	-496.053
50	10	-1.32251	155.835	-509.278
51	10	-1.31058	157.553	-522.384
52	10	-1.29884	159.24	-535.372
53	10	-1.28727	160.897	-548.245
54	10	-1.27588	162.525	-561.004
55	10	-1.26464	164.124	-573.65
56	10	-1.25357	165.696	-586.186
57	10	-1.24809	167.253	-598.667
58	10	-1.23724	168.784	-611.039
59	10	-1.22653	170.289	-623.304
60	10	-1.21596	171.767	-635.464
61	10	-1.20553	173.22	-647.519
62	10	-1.19522	174.649	-659.471

63	10	-1.18504	176.053	-671.322
64	10	-1.17499	177.434	-683.072
65	10	-1.17	178.803	-694.772
66	10	-1.16012	180.149	-706.373
67	10	-1.15035	181.472	-717.876
68	10	-1.14069	182.773	-729.283
69	10	-1.13113	184.053	-740.595
70	10	-1.12168	185.311	-751.811
71	10	-1.11232	186.548	-762.935
72	10	-1.10306	187.765	-773.965
73	10	-1.09847	188.971	-784.95
74	10	-1.08935	190.158	-795.843
75	10	-1.08032	191.325	-806.647
76	10	-1.07138	192.473	-817.36
77	10	-1.06252	193.602	-827.986
78	10	-1.05375	194.712	-838.523
79	10	-1.04505	195.804	-848.974
80	10	-1.03643	196.879	-859.338
81	10	-1.03215	197.944	-869.659
82	10	-1.02365	198.992	-879.896
83	10	-1.01522	200.023	-890.048
84	10	-1.00687	201.036	-900.117
85	10	-0.998575	202.033	-910.103
86	10	-0.990356	203.014	-920.006
87	10	-0.982202	203.979	-929.828
88	10	-0.974114	204.928	-939.569
89	10	-0.970094	205.869	-949.27
90	10	-0.9621	206.795	-958.891
91	10	-0.954165	207.705	-968.433
92	10	-0.946291	208.601	-977.896
93	10	-0.938476	209.481	-987.28
94	10	-0.930718	210.347	-996.588
95	10	-0.923014	211.199	-1005.82
96	10	-0.915365	212.037	-1014.97
97	10	-0.911562	212.868	-1024.09
98	10	-0.903992	213.685	-1033.13
99	10	-0.896473	214.489	-1042.09
100	10	-0.889006	215.279	-1050.98
101	10	-0.881587	216.057	-1059.8
102	10	-0.874218	216.821	-1068.54
103	10	-0.866894	217.572	-1077.21
104	10	-0.859618	218.311	-1085.8
105	10	-0.855996	219.044	-1094.36
106	10	-0.848786	219.765	-1102.85
107	10	-0.841621	220.473	-1111.27
108	10	-0.834498	221.169	-1119.61
109	10	-0.827417	221.854	-1127.89
110	10	-0.820379	222.527	-1136.09
111	10	-0.813379	223.188	-1144.23
112	10	-0.806422	223.839	-1152.29
113	10	-0.7995	224.478	-1160.28
114	10	-0.796056	225.112	-1168.25
115	10	-0.789191	225.735	-1176.14
116	10	-0.782366	226.347	-1183.96
117	10	-0.775574	226.948	-1191.72
118	10	-0.768821	227.539	-1199.41
119	10	-0.7621	228.12	-1207.03
120	10	-0.755415	228.691	-1214.58
121	10	-0.748762	229.251	-1222.07
122	10	-0.745449	229.807	-1229.52
123	10	-0.738846	230.353	-1236.91
124	10	-0.732275	230.889	-1244.23
125	10	-0.725736	231.416	-1251.49
126	10	-0.719228	231.933	-1258.68
127	10	-0.712751	232.441	-1265.81
128	10	-0.706302	232.94	-1272.87
129	10	-0.699883	233.43	-1279.87
130	10	-0.696684	233.915	-1286.84
131	10	-0.690309	234.392	-1293.74
132	10	-0.68396	234.86	-1300.58
133	10	-0.677639	235.319	-1307.36

134	10	-0.671346	235.769	-1314.07
135	10	-0.665079	236.212	-1320.72
136	10	-0.658838	236.646	-1327.31
137	10	-0.652622	237.072	-1333.84
138	10	-0.649522	237.494	-1340.33
139	10	-0.643345	237.908	-1346.77
140	10	-0.637192	238.314	-1353.14
141	10	-0.631062	238.712	-1359.45
142	10	-0.624956	239.102	-1365.7
143	10	-0.618872	239.485	-1371.89
144	10	-0.612813	239.861	-1378.01
145	10	-0.606775	240.229	-1384.08
146	10	-0.603765	240.594	-1390.12
147	10	-0.597761	240.951	-1396.1
148	10	-0.591776	241.301	-1402.02
149	10	-0.585815	241.644	-1407.87
150	10	-0.579873	241.981	-1413.67
151	10	-0.573953	242.31	-1419.41
152	10	-0.568052	242.633	-1425.09
153	10	-0.56217	242.949	-1430.71
154	10	-0.559237	243.261	-1436.31
155	10	-0.553384	243.568	-1441.84
156	10	-0.547551	243.867	-1447.32
157	10	-0.541736	244.161	-1452.73
158	10	-0.53594	244.448	-1458.09
159	10	-0.530162	244.729	-1463.39
160	10	-0.524401	245.004	-1468.64
161	10	-0.518658	245.273	-1473.82
162	10	-0.515791	245.539	-1478.98
163	10	-0.510074	245.799	-1484.08
164	10	-0.504372	246.054	-1489.13
165	10	-0.498687	246.303	-1494.11
166	10	-0.493018	246.546	-1499.04
167	10	-0.487364	246.783	-1503.92
168	10	-0.481728	247.015	-1508.74
169	10	-0.476105	247.242	-1513.5
170	10	-0.473299	247.466	-1518.23
171	10	-0.467699	247.685	-1522.91
172	10	-0.462114	247.898	-1527.53
173	10	-0.456542	248.107	-1532.09
174	10	-0.450985	248.31	-1536.6
175	10	-0.445443	248.508	-1541.06
176	10	-0.439913	248.702	-1545.46
177	10	-0.434397	248.891	-1549.8
178	10	-0.431644	249.077	-1554.12
179	10	-0.426148	249.259	-1558.38
180	10	-0.420664	249.436	-1562.58
181	10	-0.415193	249.608	-1566.74
182	10	-0.409735	249.776	-1570.83
183	10	-0.40429	249.939	-1574.88
184	10	-0.398855	250.098	-1578.87
185	10	-0.393433	250.253	-1582.8
186	10	-0.390726	250.406	-1586.71
187	10	-0.385321	250.554	-1590.56
188	10	-0.379927	250.699	-1594.36
189	10	-0.374544	250.839	-1598.11
190	10	-0.369171	250.975	-1601.8
191	10	-0.363809	251.108	-1605.43
192	10	-0.358459	251.236	-1609.02
193	10	-0.353118	251.361	-1612.55
194	10	-0.350451	251.484	-1616.06
195	10	-0.345126	251.603	-1619.51
196	10	-0.33981	251.718	-1622.9
197	10	-0.334503	251.83	-1626.25
198	10	-0.329206	251.938	-1629.54
199	10	-0.323919	252.043	-1632.78
200	10	-0.318639	252.145	-1635.97
201	10	-0.31337	252.243	-1639.1
202	10	-0.310738	252.34	-1642.21
203	10	-0.305481	252.433	-1645.26
204	10	-0.300232	252.523	-1648.27

205	10	-0.294992	252.61	-1651.22
206	10	-0.28976	252.694	-1654.11
207	10	-0.284535	252.775	-1656.96
208	10	-0.279319	252.853	-1659.75
209	10	-0.27411	252.928	-1662.49
210	10	-0.271509	253.002	-1665.21
211	10	-0.266311	253.073	-1667.87
212	10	-0.26112	253.141	-1670.48
213	10	-0.255936	253.206	-1673.04
214	10	-0.250759	253.269	-1675.55
215	10	-0.24559	253.33	-1678
216	10	-0.240426	253.387	-1680.41
217	10	-0.235269	253.443	-1682.76
218	10	-0.230118	253.496	-1685.06
219	10	-0.227545	253.548	-1687.34
220	10	-0.222403	253.597	-1689.56
221	10	-0.217267	253.644	-1691.74
222	10	-0.212137	253.689	-1693.86
223	10	-0.207012	253.732	-1695.93
224	10	-0.201894	253.773	-1697.95
225	10	-0.196779	253.812	-1699.91
226	10	-0.191671	253.848	-1701.83
227	10	-0.189118	253.884	-1703.72
228	10	-0.184017	253.918	-1705.56
229	10	-0.17892	253.95	-1707.35
230	10	-0.173829	253.98	-1709.09
231	10	-0.168741	254.009	-1710.78
232	10	-0.163659	254.035	-1712.41
233	10	-0.158579	254.061	-1714
234	10	-0.153505	254.084	-1715.53
235	10	-0.150969	254.107	-1717.04
236	10	-0.1459	254.128	-1718.5
237	10	-0.140835	254.148	-1719.91
238	10	-0.135774	254.166	-1721.27
239	10	-0.130716	254.184	-1722.58
240	10	-0.125661	254.199	-1723.83
241	10	-0.12061	254.214	-1725.04
242	10	-0.115562	254.227	-1726.19
243	10	-0.113039	254.24	-1727.32
244	10	-0.107995	254.252	-1728.4
245	10	-0.102953	254.262	-1729.43
246	10	-0.0979139	254.272	-1730.41
247	10	-0.0928787	254.281	-1731.34
248	10	-0.0878447	254.288	-1732.22
249	10	-0.0828129	254.295	-1733.05
250	10	-0.0777834	254.301	-1733.83
251	10	-0.0752698	254.307	-1734.58
252	10	-0.0702426	254.312	-1735.28
253	10	-0.0652187	254.316	-1735.93
254	10	-0.0601949	254.32	-1736.54
255	10	-0.0551734	254.323	-1737.09
256	10	-0.0501541	254.325	-1737.59
257	10	-0.0451348	254.327	-1738.04
258	10	-0.0401167	254.329	-1738.44
259	10	-0.0376076	254.33	-1738.82
260	10	-0.0325917	254.331	-1739.14
261	10	-0.0275759	254.332	-1739.42
262	10	-0.0225612	254.333	-1739.64
263	10	-0.0175476	254.333	-1739.82
264	10	-0.0125328	254.333	-1739.95
265	10	-0.00751925	254.333	-1740.02
266	10	-0.0025068	254.333	-1740.05
267	10	0.0025068	254.333	-1740.02
268	10	0.00751925	254.333	-1739.95
269	10	0.0125328	254.333	-1739.82
270	10	0.0175476	254.334	-1739.64
271	10	0.0225612	254.334	-1739.42
272	10	0.0275759	254.335	-1739.14
273	10	0.0325917	254.336	-1738.82
274	10	0.0376076	254.337	-1738.44
275	10	0.0401167	254.339	-1738.04

276	10	0.0451348	254.341	-1737.59
277	10	0.0501541	254.344	-1737.09
278	10	0.0551734	254.347	-1736.54
279	10	0.0601949	254.35	-1735.93
280	10	0.0652187	254.354	-1735.28
281	10	0.0702426	254.359	-1734.58
282	10	0.0752698	254.365	-1733.83
283	10	0.0777834	254.371	-1733.05
284	10	0.0828129	254.378	-1732.22
285	10	0.0878447	254.386	-1731.34
286	10	0.0928787	254.394	-1730.41
287	10	0.0979139	254.404	-1729.43
288	10	0.102953	254.414	-1728.4
289	10	0.107995	254.426	-1727.32
290	10	0.113039	254.439	-1726.19
291	10	0.115562	254.452	-1725.04
292	10	0.12061	254.467	-1723.83
293	10	0.125661	254.483	-1722.58
294	10	0.130716	254.5	-1721.27
295	10	0.135774	254.518	-1719.91
296	10	0.140835	254.538	-1718.5
297	10	0.1459	254.559	-1717.04
298	10	0.150969	254.582	-1715.53
299	10	0.153505	254.606	-1714
300	10	0.158579	254.631	-1712.41
301	10	0.163659	254.658	-1710.78
302	10	0.168741	254.686	-1709.09
303	10	0.173829	254.716	-1707.35
304	10	0.17892	254.748	-1705.56
305	10	0.184017	254.782	-1703.72
306	10	0.189118	254.818	-1701.83
307	10	0.191671	254.855	-1699.91
308	10	0.196779	254.893	-1697.95
309	10	0.201894	254.934	-1695.93
310	10	0.207012	254.977	-1693.86
311	10	0.212137	255.022	-1691.74
312	10	0.217267	255.069	-1689.56
313	10	0.222403	255.119	-1687.34
314	10	0.227545	255.17	-1685.06
315	10	0.230118	255.223	-1682.76
316	10	0.235269	255.279	-1680.41
317	10	0.240426	255.337	-1678
318	10	0.24559	255.397	-1675.55
319	10	0.250759	255.46	-1673.04
320	10	0.255936	255.525	-1670.48
321	10	0.261112	255.593	-1667.87
322	10	0.266311	255.664	-1665.21
323	10	0.271509	255.738	-1662.49
324	10	0.27411	255.813	-1659.75
325	10	0.279319	255.891	-1656.96
326	10	0.284535	255.972	-1654.11
327	10	0.28976	256.056	-1651.22
328	10	0.294992	256.143	-1648.27
329	10	0.300232	256.233	-1645.26
330	10	0.305481	256.327	-1642.21
331	10	0.310738	256.423	-1639.1
332	10	0.31337	256.521	-1635.97
333	10	0.318639	256.623	-1632.78
334	10	0.323919	256.728	-1629.54
335	10	0.329206	256.836	-1626.25
336	10	0.334503	256.948	-1622.9
337	10	0.33981	257.064	-1619.51
338	10	0.345126	257.183	-1616.06
339	10	0.350451	257.305	-1612.55
340	10	0.353118	257.43	-1609.02
341	10	0.358459	257.559	-1605.43
342	10	0.363809	257.691	-1601.8
343	10	0.369171	257.827	-1598.11
344	10	0.374544	257.968	-1594.36
345	10	0.379927	258.112	-1590.56
346	10	0.385321	258.26	-1586.71

347	10	0.390726	258.413	-1582.8
348	10	0.393433	258.568	-1578.87
349	10	0.398855	258.727	-1574.88
350	10	0.40429	258.89	-1570.83
351	10	0.409735	259.058	-1566.74
352	10	0.415193	259.231	-1562.58
353	10	0.420664	259.408	-1558.38
354	10	0.426148	259.589	-1554.12
355	10	0.431644	259.776	-1549.8
356	10	0.434397	259.964	-1545.46
357	10	0.439913	260.158	-1541.06
358	10	0.445443	260.356	-1536.6
359	10	0.450985	260.56	-1532.09
360	10	0.456542	260.768	-1527.53
361	10	0.462114	260.982	-1522.91
362	10	0.467699	261.2	-1518.23
363	10	0.473299	261.424	-1513.5
364	10	0.476105	261.651	-1508.74
365	10	0.481728	261.883	-1503.92
366	10	0.487364	262.121	-1499.04
367	10	0.493018	262.364	-1494.11
368	10	0.498687	262.612	-1489.13
369	10	0.504372	262.867	-1484.08
370	10	0.510074	263.127	-1478.98
371	10	0.515791	263.393	-1473.82
372	10	0.518658	263.662	-1468.64
373	10	0.524401	263.937	-1463.39
374	10	0.530162	264.218	-1458.09
375	10	0.53594	264.505	-1452.73
376	10	0.541736	264.799	-1447.32
377	10	0.547551	265.099	-1441.84
378	10	0.553384	265.405	-1436.31
379	10	0.559237	265.717	-1430.71
380	10	0.56217	266.034	-1425.09
381	10	0.568052	266.356	-1419.41
382	10	0.573953	266.686	-1413.67
383	10	0.579873	267.022	-1407.87
384	10	0.585815	267.365	-1402.02
385	10	0.591776	267.715	-1396.1
386	10	0.597761	268.073	-1390.12
387	10	0.603765	268.437	-1384.08
388	10	0.606775	268.805	-1378.01
389	10	0.612813	269.181	-1371.89
390	10	0.618872	269.564	-1365.7
391	10	0.624956	269.954	-1359.45
392	10	0.631062	270.353	-1353.14
393	10	0.637192	270.759	-1346.77
394	10	0.643345	271.173	-1340.33
395	10	0.649522	271.594	-1333.84
396	10	0.652622	272.02	-1327.31
397	10	0.658838	272.454	-1320.72
398	10	0.665079	272.897	-1314.07
399	10	0.671346	273.347	-1307.36
400	10	0.677639	273.807	-1300.58
401	10	0.68396	274.274	-1293.74
402	10	0.690309	274.751	-1286.84
403	10	0.696684	275.236	-1279.87
404	10	0.699883	275.726	-1272.87
405	10	0.706302	276.225	-1265.81
406	10	0.712751	276.733	-1258.68
407	10	0.719228	277.25	-1251.49
408	10	0.725736	277.777	-1244.23
409	10	0.732275	278.313	-1236.91
410	10	0.738846	278.859	-1229.52
411	10	0.745449	279.415	-1222.07
412	10	0.748762	279.975	-1214.58
413	10	0.755415	280.546	-1207.03
414	10	0.7621	281.127	-1199.41
415	10	0.768821	281.718	-1191.72
416	10	0.775574	282.32	-1183.96
417	10	0.782366	282.932	-1176.14

418	10	0.789191	283.554	-1168.25
419	10	0.796056	284.188	-1160.28
420	10	0.7995	284.827	-1152.29
421	10	0.806422	285.478	-1144.23
422	10	0.813379	286.139	-1136.09
423	10	0.820379	286.812	-1127.89
424	10	0.827417	287.497	-1119.61
425	10	0.834498	288.193	-1111.27
426	10	0.841621	288.902	-1102.85
427	10	0.848786	289.622	-1094.36
428	10	0.855996	290.355	-1085.8
429	10	0.859618	291.094	-1077.21
430	10	0.866894	291.845	-1068.54
431	10	0.874218	292.609	-1059.8
432	10	0.881587	293.387	-1050.98
433	10	0.889006	294.177	-1042.09
434	10	0.896473	294.981	-1033.13
435	10	0.903992	295.798	-1024.09
436	10	0.911562	296.629	-1014.97
437	10	0.915365	297.467	-1005.82
438	10	0.923014	298.319	-996.588
439	10	0.930718	299.185	-987.28
440	10	0.938476	300.066	-977.896
441	10	0.946291	300.961	-968.433
442	10	0.954165	301.872	-958.891
443	10	0.9621	302.797	-949.27
444	10	0.970094	303.738	-939.569
445	10	0.974114	304.687	-929.828
446	10	0.982202	305.652	-920.006
447	10	0.990356	306.633	-910.103
448	10	0.998575	307.63	-900.117
449	10	1.00687	308.644	-890.048
450	10	1.01522	309.674	-879.896
451	10	1.02365	310.722	-869.659
452	10	1.03215	311.788	-859.338
453	10	1.03643	312.862	-848.974
454	10	1.04505	313.954	-838.523
455	10	1.05375	315.064	-827.986
456	10	1.06252	316.193	-817.36
457	10	1.07138	317.341	-806.647
458	10	1.08032	318.508	-795.843
459	10	1.08935	319.695	-784.95
460	10	1.09847	320.901	-773.965
461	10	1.10306	322.118	-762.935
462	10	1.11232	323.355	-751.811
463	10	1.12168	324.614	-740.595
464	10	1.13113	325.893	-729.283
465	10	1.14069	327.194	-717.876
466	10	1.15035	328.518	-706.373
467	10	1.16012	329.863	-694.772
468	10	1.17	331.232	-683.072
469	10	1.17499	332.613	-671.322
470	10	1.18504	334.017	-659.471
471	10	1.19522	335.446	-647.519
472	10	1.20553	336.899	-635.464
473	10	1.21596	338.378	-623.304
474	10	1.22653	339.882	-611.039
475	10	1.23724	341.413	-598.667
476	10	1.24809	342.97	-586.186
477	10	1.25357	344.542	-573.65
478	10	1.26464	346.141	-561.004
479	10	1.27588	347.769	-548.245
480	10	1.28727	349.426	-535.372
481	10	1.29884	351.113	-522.384
482	10	1.31058	352.831	-509.278
483	10	1.32251	354.58	-496.053
484	10	1.33462	356.361	-482.707
485	10	1.34075	358.159	-469.299
486	10	1.35317	359.99	-455.768
487	10	1.36581	361.855	-442.109
488	10	1.37866	363.756	-428.323

489	10	1.39175	365.693	-414.405
490	10	1.40507	367.667	-400.355
491	10	1.41865	369.68	-386.168
492	10	1.4325	371.732	-371.843
493	10	1.43953	373.804	-357.448
494	10	1.4538	375.917	-342.91
495	10	1.46838	378.074	-328.226
496	10	1.48328	380.274	-313.393
497	10	1.49852	382.519	-298.408
498	10	1.5141	384.812	-283.267
499	10	1.53007	387.153	-267.966
500	10	1.54643	389.544	-252.502
501	10	1.55477	391.962	-236.954
502	10	1.57179	394.432	-221.236
503	10	1.58927	396.958	-205.344
504	10	1.60725	399.541	-189.271
505	10	1.62576	402.184	-173.014
506	10	1.64485	404.89	-156.565
507	10	1.66456	407.661	-139.919
508	10	1.68494	410.5	-123.07
509	10	1.6954	413.374	-106.116
510	10	1.71688	416.322	-88.9471
511	10	1.7392	419.346	-71.5552
512	10	1.76241	422.453	-53.9311
513	10	1.78661	425.645	-36.0649
514	10	1.81191	428.928	-17.9458
515	10	1.83843	432.307	0.438446
516	10	1.86629	435.79	19.1014
517	10	1.88079	439.328	37.9093
518	10	1.91103	442.98	57.0196
519	10	1.94314	446.756	76.4509
520	10	1.97737	450.666	96.2246
521	10	2.01409	454.722	116.366
522	10	2.05375	458.94	136.903
523	10	2.09693	463.337	157.872
524	10	2.14441	467.936	179.316
525	10	2.17009	472.645	201.017
526	10	2.22621	477.601	223.279
527	10	2.29036	482.847	246.183
528	10	2.36561	488.443	269.839
529	10	2.45727	494.481	294.412
530	10.1	2.57583	501.116	320.428
531	20	2.74777	508.666	375.383
532	23	0	508.666	375.383

Data Set Standard Deviation = 1.65358

Numerator = 140912

Denominator = 738550

W Statistic = 0.190796 = 140912 / 738550

5% Critical value of 0.976 exceeds 0.190796

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.190796

Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Barium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 532

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	7.1	0	0	0
2	9.15	-2.74777	7.55021	-25.1421
3	9.45	-2.57583	14.1851	-49.4837
4	9.5	-2.45727	20.2233	-72.8278
5	10.2	-2.36561	25.8195	-96.957
6	10.2	-2.29036	31.0652	-120.319
7	10.4	-2.22621	36.0212	-143.471
8	10.6	-2.17009	40.7305	-166.474
9	11.1	-2.14441	45.329	-190.277
10	11.5	-2.09693	49.7261	-214.392
11	12.3	-2.05375	53.944	-239.653
12	12.5	-2.01409	58.0006	-264.829
13	12.7	-1.97737	61.9105	-289.942
14	13	-1.94314	65.6863	-315.202
15	13.1	-1.91103	69.3384	-340.237
16	13.9	-1.88079	72.8757	-366.38
17	14.1	-1.86629	76.3588	-392.695
18	14.3	-1.83843	79.7386	-418.984
19	14.4	-1.81191	83.0216	-445.076
20	14.8	-1.78661	86.2136	-471.518
21	15.8	-1.76241	89.3197	-499.364
22	16.5	-1.7392	92.3445	-528.06
23	17.1	-1.71688	95.2922	-557.419
24	17.4	-1.6954	98.1666	-586.919
25	17.9	-1.68494	101.006	-617.08
26	18	-1.66456	103.776	-647.042
27	19	-1.64485	106.482	-678.294
28	21.7	-1.62576	109.125	-713.573
29	22.4	-1.60725	111.708	-749.575
30	25	-1.58927	114.234	-789.307
31	26.4	-1.57179	116.705	-830.802
32	26.8	-1.55477	119.122	-872.47
33	28	-1.54643	121.513	-915.77
34	35	-1.53007	123.854	-969.323
35	35	-1.5141	126.147	-1022.32
36	37.1	-1.49852	128.392	-1077.91
37	39	-1.48328	130.593	-1135.76
38	40.9	-1.46838	132.749	-1195.82
39	41.2	-1.4538	134.862	-1255.71
40	41.2	-1.43953	136.935	-1315.02
41	45.2	-1.4325	138.987	-1379.77
42	46.2	-1.41865	140.999	-1445.31
43	48	-1.40507	142.973	-1512.76
44	50.4	-1.39175	144.91	-1582.9
45	53	-1.37866	146.811	-1655.97
46	53	-1.36581	148.676	-1728.36
47	53.5	-1.35317	150.508	-1800.75
48	55	-1.34075	152.305	-1874.49
49	59	-1.33462	154.086	-1953.24
50	60	-1.32251	155.835	-2032.59
51	60.3	-1.31058	157.553	-2111.61
52	63.1	-1.29884	159.24	-2193.57
53	65	-1.28727	160.897	-2277.24
54	69.8	-1.27588	162.525	-2366.3
55	70.4	-1.26464	164.124	-2455.33
56	71.6	-1.25357	165.696	-2545.09
57	72	-1.24809	167.253	-2634.95
58	74.3	-1.23724	168.784	-2726.87
59	74.4	-1.22653	170.289	-2818.13
60	74.6	-1.21596	171.767	-2908.84
61	79.2	-1.20553	173.22	-3004.32
62	79.7	-1.19522	174.649	-3099.58

63	80	-1.18504	176.053	-3194.38
64	80.1	-1.17499	177.434	-3288.5
65	83	-1.17	178.803	-3385.61
66	86.8	-1.16012	180.149	-3486.3
67	87.6	-1.15035	181.472	-3587.07
68	87.7	-1.14069	182.773	-3687.11
69	87.9	-1.13113	184.053	-3786.54
70	88	-1.12168	185.311	-3885.25
71	89	-1.11232	186.548	-3984.24
72	89.6	-1.10306	187.765	-4083.08
73	90.7	-1.09847	188.971	-4182.71
74	91.4	-1.08935	190.158	-4282.28
75	104	-1.08032	191.325	-4394.63
76	105	-1.07138	192.473	-4507.12
77	105	-1.06252	193.602	-4618.69
78	106	-1.05375	194.712	-4730.38
79	106	-1.04505	195.804	-4841.16
80	106	-1.03643	196.879	-4951.02
81	107	-1.03215	197.944	-5061.46
82	107	-1.02365	198.992	-5170.99
83	108	-1.01522	200.023	-5280.64
84	109	-1.00687	201.036	-5390.39
85	110	-0.998575	202.033	-5500.23
86	112	-0.990356	203.014	-5611.15
87	112	-0.982202	203.979	-5721.16
88	114	-0.974114	204.928	-5832.2
89	115	-0.970094	205.869	-5943.77
90	115	-0.9621	206.795	-6054.41
91	115	-0.954165	207.705	-6164.14
92	119	-0.946291	208.601	-6276.74
93	120	-0.938476	209.481	-6389.36
94	123	-0.930718	210.347	-6503.84
95	123	-0.923014	211.199	-6617.37
96	124	-0.915365	212.037	-6730.88
97	125	-0.911562	212.868	-6844.82
98	127	-0.903992	213.685	-6959.63
99	131	-0.896473	214.489	-7077.07
100	132	-0.889006	215.279	-7194.41
101	160	-0.881587	216.057	-7335.47
102	164	-0.874218	216.821	-7478.84
103	170	-0.866894	217.572	-7626.21
104	183	-0.859618	218.311	-7783.52
105	191	-0.855996	219.044	-7947.02
106	194	-0.848786	219.765	-8111.68
107	198	-0.841621	220.473	-8278.32
108	203	-0.834498	221.169	-8447.73
109	207	-0.827417	221.854	-8619
110	218	-0.820379	222.527	-8797.84
111	220	-0.813379	223.188	-8976.79
112	225	-0.806422	223.839	-9158.23
113	235	-0.7995	224.478	-9346.11
114	241	-0.796056	225.112	-9537.96
115	244	-0.789191	225.735	-9730.53
116	244	-0.782366	226.347	-9921.42
117	245	-0.775574	226.948	-10111.4
118	251	-0.768821	227.539	-10304.4
119	292	-0.7621	228.12	-10526.9
120	296	-0.755415	228.691	-10750.5
121	309	-0.748762	229.251	-10981.9
122	329	-0.745449	229.807	-11227.2
123	331	-0.738846	230.353	-11471.7
124	339	-0.732275	230.889	-11720
125	339	-0.725736	231.416	-11966
126	356	-0.719228	231.933	-12222
127	356	-0.712751	232.441	-12475.8
128	379	-0.706302	232.94	-12743.5
129	386	-0.699883	233.43	-13013.6
130	389	-0.696684	233.915	-13284.6
131	396	-0.690309	234.392	-13558
132	397	-0.68396	234.86	-13829.5
133	410	-0.677639	235.319	-14107.4

134	415	-0.671346	235.769	-14386
135	429	-0.665079	236.212	-14671.3
136	430	-0.658838	236.646	-14954.6
137	431	-0.652622	237.072	-15235.9
138	431	-0.649522	237.494	-15515.8
139	469	-0.643345	237.908	-15817.5
140	473	-0.637192	238.314	-16118.9
141	485	-0.631062	238.712	-16425
142	486	-0.624956	239.102	-16728.7
143	488	-0.618872	239.485	-17030.7
144	500	-0.612813	239.861	-17337.1
145	500	-0.606775	240.229	-17640.5
146	500	-0.603765	240.594	-17942.4
147	500	-0.597761	240.951	-18241.3
148	500	-0.591776	241.301	-18537.2
149	500	-0.585815	241.644	-18830.1
150	500	-0.579873	241.981	-19120
151	500	-0.573953	242.31	-19407
152	500	-0.568052	242.633	-19691
153	500	-0.56217	242.949	-19972.1
154	500	-0.559237	243.261	-20251.7
155	500	-0.553384	243.568	-20528.4
156	500	-0.547551	243.867	-20802.2
157	500	-0.541736	244.161	-21073.1
158	500	-0.53594	244.448	-21341
159	500	-0.530162	244.729	-21606.1
160	500	-0.524401	245.004	-21868.3
161	500	-0.518658	245.273	-22127.6
162	500	-0.515791	245.539	-22385.5
163	500	-0.510074	245.799	-22640.6
164	500	-0.504372	246.054	-22892.8
165	500	-0.498687	246.303	-23142.1
166	500	-0.493018	246.546	-23388.6
167	500	-0.487364	246.783	-23632.3
168	500	-0.481728	247.015	-23873.2
169	500	-0.476105	247.242	-24111.2
170	500	-0.473299	247.466	-24347.9
171	500	-0.467699	247.685	-24581.7
172	500	-0.462114	247.898	-24812.8
173	500	-0.456542	248.107	-25041
174	500	-0.450985	248.31	-25266.5
175	500	-0.445443	248.508	-25489.3
176	500	-0.439913	248.702	-25709.2
177	500	-0.434397	248.891	-25926.4
178	500	-0.431644	249.077	-26142.2
179	500	-0.426148	249.259	-26355.3
180	500	-0.420664	249.436	-26565.6
181	500	-0.415193	249.608	-26773.2
182	500	-0.409735	249.776	-26978.1
183	500	-0.40429	249.939	-27180.2
184	500	-0.398855	250.098	-27379.7
185	500	-0.393433	250.253	-27576.4
186	500	-0.390726	250.406	-27771.8
187	500	-0.385321	250.554	-27964.4
188	500	-0.379927	250.699	-28154.4
189	500	-0.374544	250.839	-28341.7
190	500	-0.369171	250.975	-28526.2
191	500	-0.363809	251.108	-28708.1
192	500	-0.358459	251.236	-28887.4
193	500	-0.353118	251.361	-29063.9
194	500	-0.350451	251.484	-29239.2
195	500	-0.345126	251.603	-29411.7
196	500	-0.33981	251.718	-29581.6
197	500	-0.334503	251.83	-29748.9
198	500	-0.329206	251.938	-29913.5
199	500	-0.323919	252.043	-30075.4
200	500	-0.318639	252.145	-30234.8
201	500	-0.31337	252.243	-30391.4
202	500	-0.310738	252.34	-30546.8
203	500	-0.305481	252.433	-30699.6
204	500	-0.300232	252.523	-30849.7

205	500	-0.294992	252.61	-30997.2
206	500	-0.28976	252.694	-31142
207	500	-0.284535	252.775	-31284.3
208	500	-0.279319	252.853	-31424
209	500	-0.27411	252.928	-31561
210	500	-0.271509	253.002	-31696.8
211	500	-0.266311	253.073	-31829.9
212	500	-0.26112	253.141	-31960.5
213	500	-0.255936	253.206	-32088.5
214	500	-0.250759	253.269	-32213.8
215	500	-0.24559	253.33	-32336.6
216	500	-0.240426	253.387	-32456.9
217	500	-0.235269	253.443	-32574.5
218	500	-0.230118	253.496	-32689.5
219	500	-0.227545	253.548	-32803.3
220	500	-0.222403	253.597	-32914.5
221	500	-0.217267	253.644	-33023.2
222	500	-0.212137	253.689	-33129.2
223	500	-0.207012	253.732	-33232.7
224	500	-0.201894	253.773	-33333.7
225	500	-0.196779	253.812	-33432.1
226	500	-0.191671	253.848	-33527.9
227	500	-0.189118	253.884	-33622.5
228	500	-0.184017	253.918	-33714.5
229	500	-0.17892	253.95	-33803.9
230	500	-0.173829	253.98	-33890.8
231	500	-0.168741	254.009	-33975.2
232	500	-0.163659	254.035	-34057
233	500	-0.158579	254.061	-34136.3
234	500	-0.153505	254.084	-34213.1
235	500	-0.150969	254.107	-34288.6
236	500	-0.1459	254.128	-34361.5
237	500	-0.140835	254.148	-34431.9
238	500	-0.135774	254.166	-34499.8
239	500	-0.130716	254.184	-34565.2
240	500	-0.125661	254.199	-34628
241	500	-0.12061	254.214	-34688.3
242	500	-0.115562	254.227	-34746.1
243	500	-0.113039	254.24	-34802.6
244	500	-0.107995	254.252	-34856.6
245	500	-0.102953	254.262	-34908.1
246	500	-0.0979139	254.272	-34957
247	500	-0.0928787	254.281	-35003.5
248	500	-0.0878447	254.288	-35047.4
249	500	-0.0828129	254.295	-35088.8
250	500	-0.0777834	254.301	-35127.7
251	500	-0.0752698	254.307	-35165.3
252	500	-0.0702426	254.312	-35200.5
253	500	-0.0652187	254.316	-35233.1
254	500	-0.0601949	254.32	-35263.2
255	500	-0.0551734	254.323	-35290.8
256	500	-0.0501541	254.325	-35315.8
257	500	-0.0451348	254.327	-35338.4
258	500	-0.0401167	254.329	-35358.5
259	500	-0.0376076	254.33	-35377.3
260	500	-0.0325917	254.331	-35393.6
261	500	-0.0275759	254.332	-35407.3
262	500	-0.0225612	254.333	-35418.6
263	500	-0.0175476	254.333	-35427.4
264	500	-0.0125328	254.333	-35433.7
265	500	-0.00751925	254.333	-35437.4
266	500	-0.0025068	254.333	-35438.7
267	500	0.0025068	254.333	-35437.4
268	500	0.00751925	254.333	-35433.7
269	500	0.0125328	254.333	-35427.4
270	500	0.0175476	254.334	-35418.6
271	500	0.0225612	254.334	-35407.3
272	500	0.0275759	254.335	-35393.6
273	500	0.0325917	254.336	-35377.3
274	500	0.0376076	254.337	-35358.5
275	500	0.0401167	254.339	-35338.4

276	500	0.0451348	254.341	-35315.8
277	500	0.0501541	254.344	-35290.8
278	500	0.0551734	254.347	-35263.2
279	500	0.0601949	254.35	-35233.1
280	500	0.0652187	254.354	-35200.5
281	500	0.0702426	254.359	-35165.3
282	500	0.0752698	254.365	-35127.7
283	500	0.0777834	254.371	-35088.8
284	500	0.0828129	254.378	-35047.4
285	500	0.0878447	254.386	-35003.5
286	500	0.0928787	254.394	-34957
287	500	0.0979139	254.404	-34908.1
288	500	0.102953	254.414	-34856.6
289	500	0.107995	254.426	-34802.6
290	500	0.113039	254.439	-34746.1
291	500	0.115562	254.452	-34688.3
292	500	0.12061	254.467	-34628
293	500	0.125661	254.483	-34565.2
294	500	0.130716	254.5	-34499.8
295	500	0.135774	254.518	-34431.9
296	500	0.140835	254.538	-34361.5
297	500	0.1459	254.559	-34288.6
298	500	0.150969	254.582	-34213.1
299	500	0.153505	254.606	-34136.3
300	500	0.158579	254.631	-34057
301	500	0.163659	254.658	-33975.2
302	500	0.168741	254.686	-33890.8
303	500	0.173829	254.716	-33803.9
304	500	0.17892	254.748	-33714.5
305	500	0.184017	254.782	-33622.5
306	500	0.189118	254.818	-33527.9
307	500	0.191671	254.855	-33432.1
308	500	0.196779	254.893	-33333.7
309	500	0.201894	254.934	-33232.7
310	500	0.207012	254.977	-33129.2
311	500	0.212137	255.022	-33023.2
312	500	0.217267	255.069	-32914.5
313	500	0.222403	255.119	-32803.3
314	500	0.227545	255.17	-32689.5
315	500	0.230118	255.223	-32574.5
316	500	0.235269	255.279	-32456.9
317	500	0.240426	255.337	-32336.6
318	500	0.24559	255.397	-32213.8
319	500	0.250759	255.46	-32088.5
320	500	0.255936	255.525	-31960.5
321	500	0.261112	255.593	-31829.9
322	500	0.266311	255.664	-31696.8
323	500	0.271509	255.738	-31561
324	500	0.27411	255.813	-31424
325	500	0.279319	255.891	-31284.3
326	500	0.284535	255.972	-31142
327	500	0.28976	256.056	-30997.2
328	500	0.294992	256.143	-30849.7
329	500	0.300232	256.233	-30699.6
330	500	0.305481	256.327	-30546.8
331	500	0.310738	256.423	-30391.4
332	500	0.31337	256.521	-30234.8
333	500	0.318639	256.623	-30075.4
334	500	0.323919	256.728	-29913.5
335	500	0.329206	256.836	-29748.9
336	500	0.334503	256.948	-29581.6
337	500	0.33981	257.064	-29411.7
338	500	0.345126	257.183	-29239.2
339	500	0.350451	257.305	-29063.9
340	500	0.353118	257.43	-28887.4
341	500	0.358459	257.559	-28708.1
342	500	0.363809	257.691	-28526.2
343	500	0.369171	257.827	-28341.7
344	500	0.374544	257.968	-28154.4
345	500	0.379927	258.112	-27964.4
346	500	0.385321	258.26	-27771.8

347	500	0.390726	258.413	-27576.4
348	500	0.393433	258.568	-27379.7
349	500	0.398855	258.727	-27180.2
350	500	0.40429	258.89	-26978.1
351	500	0.409735	259.058	-26773.2
352	500	0.415193	259.231	-26565.6
353	500	0.420664	259.408	-26355.3
354	500	0.426148	259.589	-26142.2
355	500	0.431644	259.776	-25926.4
356	500	0.434397	259.964	-25709.2
357	500	0.439913	260.158	-25489.3
358	500	0.445443	260.356	-25266.5
359	500	0.450985	260.56	-25041
360	500	0.456542	260.768	-24812.8
361	500	0.462114	260.982	-24581.7
362	500	0.467699	261.2	-24347.9
363	500	0.473299	261.424	-24111.2
364	500	0.476105	261.651	-23873.2
365	500	0.481728	261.883	-23632.3
366	500	0.487364	262.121	-23388.6
367	500	0.493018	262.364	-23142.1
368	500	0.498687	262.612	-22892.8
369	500	0.504372	262.867	-22640.6
370	500	0.510074	263.127	-22385.5
371	500	0.515791	263.393	-22127.6
372	500	0.518658	263.662	-21868.3
373	500	0.524401	263.937	-21606.1
374	500	0.530162	264.218	-21341
375	500	0.53594	264.505	-21073.1
376	500	0.541736	264.799	-20802.2
377	500	0.547551	265.099	-20528.4
378	500	0.553384	265.405	-20251.7
379	500	0.559237	265.717	-19972.1
380	500	0.56217	266.034	-19691
381	500	0.568052	266.356	-19407
382	500	0.573953	266.686	-19120
383	500	0.579873	267.022	-18830.1
384	500	0.585815	267.365	-18537.2
385	500	0.591776	267.715	-18241.3
386	500	0.597761	268.073	-17942.4
387	500	0.603765	268.437	-17640.5
388	500	0.606775	268.805	-17337.1
389	500	0.612813	269.181	-17030.7
390	500	0.618872	269.564	-16721.3
391	500	0.624956	269.954	-16408.8
392	500	0.631062	270.353	-16093.3
393	500	0.637192	270.759	-15774.7
394	500	0.643345	271.173	-15453
395	500	0.649522	271.594	-15128.3
396	500	0.652622	272.02	-14801.9
397	500	0.658838	272.454	-14472.5
398	500	0.665079	272.897	-14140
399	500	0.671346	273.347	-13804.3
400	500	0.677639	273.807	-13465.5
401	500	0.68396	274.274	-13123.5
402	500	0.690309	274.751	-12778.4
403	500	0.696684	275.236	-12430
404	500	0.699883	275.726	-12080.1
405	500	0.706302	276.225	-11726.9
406	500	0.712751	276.733	-11370.6
407	500	0.719228	277.25	-11010.9
408	500	0.725736	277.777	-10648.1
409	500	0.732275	278.313	-10281.9
410	500	0.738846	278.859	-9912.51
411	500	0.745449	279.415	-9539.79
412	500	0.748762	279.975	-9165.4
413	500	0.755415	280.546	-8787.7
414	500	0.7621	281.127	-8406.65
415	500	0.768821	281.718	-8022.24
416	500	0.775574	282.32	-7634.45
417	500	0.782366	282.932	-7243.27

418	500	0.789191	283.554	-6848.67
419	500	0.796056	284.188	-6450.64
420	500	0.7995	284.827	-6050.89
421	500	0.806422	285.478	-5647.68
422	500	0.813379	286.139	-5240.99
423	500	0.820379	286.812	-4830.8
424	500	0.827417	287.497	-4417.09
425	500	0.834498	288.193	-3999.85
426	500	0.841621	288.902	-3579.04
427	500	0.848786	289.622	-3154.64
428	500	0.855996	290.355	-2726.64
429	500	0.859618	291.094	-2296.84
430	500	0.866894	291.845	-1863.39
431	500	0.874218	292.609	-1426.28
432	500	0.881587	293.387	-985.486
433	500	0.889006	294.177	-540.983
434	500	0.896473	294.981	-92.7465
435	500	0.903992	295.798	359.25
436	500	0.911562	296.629	815.03
437	500	0.915365	297.467	1272.71
438	500	0.923014	298.319	1734.22
439	500	0.930718	299.185	2199.58
440	500	0.938476	300.066	2668.82
441	500	0.946291	300.961	3141.96
442	500	0.954165	301.872	3619.04
443	500	0.9621	302.797	4100.09
444	500	0.970094	303.738	4585.14
445	500	0.974114	304.687	5072.2
446	500	0.982202	305.652	5563.3
447	500	0.990356	306.633	6058.48
448	500	0.998575	307.63	6557.77
449	500	1.00687	308.644	7061.2
450	500	1.01522	309.674	7568.81
451	500	1.02365	310.722	8080.63
452	500	1.03215	311.788	8596.71
453	500	1.03643	312.862	9114.93
454	500	1.04505	313.954	9637.45
455	500	1.05375	315.064	10164.3
456	500	1.06252	316.193	10695.6
457	500	1.07138	317.341	11231.3
458	500	1.08032	318.508	11771.4
459	500	1.08935	319.695	12316.1
460	500	1.09847	320.901	12865.3
461	500	1.10306	322.118	13416.9
462	500	1.11232	323.355	13973
463	500	1.12168	324.614	14533.9
464	500	1.13113	325.893	15099.4
465	500	1.14069	327.194	15669.8
466	500	1.15035	328.518	16245
467	500	1.16012	329.863	16825
468	500	1.17	331.232	17410
469	500	1.17499	332.613	17997.5
470	500	1.18504	334.017	18590
471	500	1.19522	335.446	19187.6
472	500	1.20553	336.899	19790.4
473	500	1.21596	338.378	20398.4
474	500	1.22653	339.882	21011.7
475	500	1.23724	341.413	21630.3
476	500	1.24809	342.97	22254.3
477	500	1.25357	344.542	22881.1
478	500	1.26464	346.141	23513.4
479	500	1.27588	347.769	24151.4
480	500	1.28727	349.426	24795
481	500	1.29884	351.113	25444.4
482	500	1.31058	352.831	26099.7
483	500	1.32251	354.58	26761
484	500	1.33462	356.361	27428.3
485	500	1.34075	358.159	28098.6
486	500	1.35317	359.99	28775.2
487	500	1.36581	361.855	29458.1
488	500	1.37866	363.756	30147.5

489	500	1.39175	365.693	30843.3
490	500	1.40507	367.667	31545.9
491	500	1.41865	369.68	32255.2
492	500	1.4325	371.732	32971.4
493	500	1.43953	373.804	33691.2
494	500	1.4538	375.917	34418.1
495	500	1.46838	378.074	35152.3
496	500	1.48328	380.274	35893.9
497	500	1.49852	382.519	36643.2
498	500	1.5141	384.812	37400.3
499	500	1.53007	387.153	38165.3
500	500	1.54643	389.544	38938.5
501	500	1.55477	391.962	39715.9
502	526	1.57179	394.432	40542.7
503	532	1.58927	396.958	41388.1
504	552	1.60725	399.541	42275.3
505	558	1.62576	402.184	43182.5
506	560	1.64485	404.89	44103.6
507	567	1.66456	407.661	45047.4
508	570	1.68494	410.5	46007.9
509	570	1.6954	413.374	46974.2
510	575	1.71688	416.322	47961.4
511	580	1.7392	419.346	48970.2
512	600	1.76241	422.453	50027.6
513	600	1.78661	425.645	51099.6
514	603	1.81191	428.928	52192.2
515	620	1.83843	432.307	53332
516	640	1.86629	435.79	54526.4
517	650	1.88079	439.328	55748.9
518	658	1.91103	442.98	57006.4
519	658	1.94314	446.756	58285
520	680	1.97737	450.666	59629.6
521	700	2.01409	454.722	61039.5
522	704	2.05375	458.94	62485.3
523	723	2.09693	463.337	64001.4
524	730	2.14441	467.936	65566.8
525	870	2.17009	472.645	67454.8
526	878	2.22621	477.601	69409.4
527	1000	2.29036	482.847	71699.7
528	1010	2.36561	488.443	74089
529	1030	2.45727	494.481	76620
530	1200	2.57583	501.116	79711
531	1300	2.74777	508.666	83283.1
532	2880	0	508.666	83283.1

Data Set Standard Deviation = 221.54

Numerator = 6.93608e+009

Denominator = 1.32566e+010

W Statistic = 0.523218 = 6.93608e+009 / 1.32566e+010

5% Critical value of 0.976 exceeds 0.523218

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.523218

Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality**Parameter:** Chromium**All Locations****Normality Test of Parameter Concentrations****Original Data (Not Transformed)****Non-Detects Replaced with Detection Limit**

Total Number of Measurements = 532

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.7	0	0	0
2	0.8	-2.74777	7.55021	-2.19821
3	0.9	-2.57583	14.1851	-4.51646
4	1.04	-2.45727	20.2233	-7.07203
5	1.05	-2.36561	25.8195	-9.55592
6	1.12	-2.29036	31.0652	-12.1211
7	1.17	-2.22621	36.0212	-14.7258
8	1.22	-2.17009	40.7305	-17.3733
9	1.27	-2.14441	45.329	-20.0967
10	1.31	-2.09693	49.7261	-22.8437
11	1.42	-2.05375	53.944	-25.76
12	1.45	-2.01409	58.0006	-28.6804
13	1.51	-1.97737	61.9105	-31.6663
14	1.6	-1.94314	65.6863	-34.7753
15	1.62	-1.91103	69.3384	-37.8711
16	1.64	-1.88079	72.8757	-40.9556
17	1.67	-1.86629	76.3588	-44.0724
18	1.67	-1.83843	79.7386	-47.1425
19	1.87	-1.81191	83.0216	-50.5308
20	1.9	-1.78661	86.2136	-53.9254
21	1.93	-1.76241	89.3197	-57.3268
22	2.15	-1.7392	92.3445	-61.0661
23	2.19	-1.71688	95.2922	-64.8261
24	2.22	-1.6954	98.1666	-68.5899
25	2.24	-1.68494	101.006	-72.3641
26	2.24	-1.66456	103.776	-76.0927
27	2.29	-1.64485	106.482	-79.8594
28	2.4	-1.62576	109.125	-83.7613
29	2.4	-1.60725	111.708	-87.6187
30	2.42	-1.58927	114.234	-91.4647
31	2.71	-1.57179	116.705	-95.7243
32	2.8	-1.55477	119.122	-100.078
33	3	-1.54643	121.513	-104.717
34	3	-1.53007	123.854	-109.307
35	3.01	-1.5141	126.147	-113.865
36	3.15	-1.49852	128.392	-118.585
37	3.16	-1.48328	130.593	-123.272
38	3.17	-1.46838	132.749	-127.927
39	3.3	-1.4538	134.862	-132.724
40	3.55	-1.43953	136.935	-137.835
41	3.6	-1.4325	138.987	-142.992
42	3.69	-1.41865	140.999	-148.227
43	3.75	-1.40507	142.973	-153.496
44	3.77	-1.39175	144.91	-158.742
45	4.26	-1.37866	146.811	-164.616
46	4.88	-1.36581	148.676	-171.281
47	4.93	-1.35317	150.508	-177.952
48	5	-1.34075	152.305	-184.656
49	5.25	-1.33462	154.086	-191.662
50	5.32	-1.32251	155.835	-198.698
51	5.9	-1.31058	157.553	-206.431
52	6	-1.29884	159.24	-214.224
53	6.47	-1.28727	160.897	-222.552
54	6.7	-1.27588	162.525	-231.101
55	6.8	-1.26464	164.124	-239.7
56	6.87	-1.25357	165.696	-248.312
57	6.9	-1.24809	167.253	-256.924
58	6.9	-1.23724	168.784	-265.461
59	7	-1.22653	170.289	-274.047
60	9	-1.21596	171.767	-284.99
61	9.4	-1.20553	173.22	-296.322
62	10	-1.19522	174.649	-308.274

63	10	-1.18504	176.053	-320.125
64	10	-1.17499	177.434	-331.875
65	10	-1.17	178.803	-343.575
66	10	-1.16012	180.149	-355.176
67	10	-1.15035	181.472	-366.679
68	10	-1.14069	182.773	-378.086
69	10	-1.13113	184.053	-389.398
70	10	-1.12168	185.311	-400.614
71	10	-1.11232	186.548	-411.738
72	10	-1.10306	187.765	-422.768
73	10	-1.09847	188.971	-433.753
74	10	-1.08935	190.158	-444.646
75	10	-1.08032	191.325	-455.45
76	10	-1.07138	192.473	-466.163
77	10	-1.06252	193.602	-476.789
78	10	-1.05375	194.712	-487.326
79	10	-1.04505	195.804	-497.776
80	10	-1.03643	196.879	-508.141
81	10	-1.03215	197.944	-518.462
82	10	-1.02365	198.992	-528.699
83	10	-1.01522	200.023	-538.851
84	10	-1.00687	201.036	-548.92
85	10	-0.998575	202.033	-558.905
86	10	-0.990356	203.014	-568.809
87	10	-0.982202	203.979	-578.631
88	10	-0.974114	204.928	-588.372
89	10	-0.970094	205.869	-598.073
90	10	-0.9621	206.795	-607.694
91	10	-0.954165	207.705	-617.236
92	10	-0.946291	208.601	-626.699
93	10	-0.938476	209.481	-636.083
94	10	-0.930718	210.347	-645.391
95	10	-0.923014	211.199	-654.621
96	10	-0.915365	212.037	-663.774
97	10	-0.911562	212.868	-672.89
98	10	-0.903992	213.685	-681.93
99	10	-0.896473	214.489	-690.895
100	10	-0.889006	215.279	-699.785
101	10	-0.881587	216.057	-708.601
102	10	-0.874218	216.821	-717.343
103	10	-0.866894	217.572	-726.012
104	10	-0.859618	218.311	-734.608
105	10	-0.855996	219.044	-743.168
106	10	-0.848786	219.765	-751.656
107	10	-0.841621	220.473	-760.072
108	10	-0.834498	221.169	-768.417
109	10	-0.827417	221.854	-776.691
110	10	-0.820379	222.527	-784.895
111	10	-0.813379	223.188	-793.029
112	10	-0.806422	223.839	-801.093
113	10	-0.7995	224.478	-809.088
114	10	-0.796056	225.112	-817.048
115	10	-0.789191	225.735	-824.94
116	10	-0.782366	226.347	-832.764
117	10	-0.775574	226.948	-840.52
118	10	-0.768821	227.539	-848.208
119	10	-0.7621	228.12	-855.829
120	10	-0.755415	228.691	-863.383
121	10	-0.748762	229.251	-870.871
122	10	-0.745449	229.807	-878.325
123	10	-0.738846	230.353	-885.714
124	10	-0.732275	230.889	-893.036
125	10	-0.725736	231.416	-900.294
126	10	-0.719228	231.933	-907.486
127	10	-0.712751	232.441	-914.614
128	10	-0.706302	232.94	-921.677
129	10	-0.699883	233.43	-928.675
130	10	-0.696684	233.915	-935.642
131	10	-0.690309	234.392	-942.545
132	10	-0.68396	234.86	-949.385
133	10	-0.677639	235.319	-956.161

134	10	-0.671346	235.769	-962.875
135	10	-0.665079	236.212	-969.526
136	10	-0.658838	236.646	-976.114
137	10	-0.652622	237.072	-982.64
138	10	-0.649522	237.494	-989.135
139	10	-0.643345	237.908	-995.569
140	10	-0.637192	238.314	-1001.94
141	10	-0.631062	238.712	-1008.25
142	10	-0.624956	239.102	-1014.5
143	10	-0.618872	239.485	-1020.69
144	10	-0.612813	239.861	-1026.82
145	10	-0.606775	240.229	-1032.89
146	10	-0.603765	240.594	-1038.92
147	10	-0.597761	240.951	-1044.9
148	10	-0.591776	241.301	-1050.82
149	10	-0.585815	241.644	-1056.68
150	10	-0.579873	241.981	-1062.48
151	10	-0.573953	242.31	-1068.22
152	10	-0.568052	242.633	-1073.9
153	10	-0.56217	242.949	-1079.52
154	10	-0.559237	243.261	-1085.11
155	10	-0.553384	243.568	-1090.64
156	10	-0.547551	243.867	-1096.12
157	10	-0.541736	244.161	-1101.54
158	10	-0.53594	244.448	-1106.9
159	10	-0.530162	244.729	-1112.2
160	10	-0.524401	245.004	-1117.44
161	10	-0.518658	245.273	-1122.63
162	10	-0.515791	245.539	-1127.79
163	10	-0.510074	245.799	-1132.89
164	10	-0.504372	246.054	-1137.93
165	10	-0.498687	246.303	-1142.92
166	10	-0.493018	246.546	-1147.85
167	10	-0.487364	246.783	-1152.72
168	10	-0.481728	247.015	-1157.54
169	10	-0.476105	247.242	-1162.3
170	10	-0.473299	247.466	-1167.03
171	10	-0.467699	247.685	-1171.71
172	10	-0.462114	247.898	-1176.33
173	10	-0.456542	248.107	-1180.9
174	10	-0.450985	248.31	-1185.41
175	10	-0.445443	248.508	-1189.86
176	10	-0.439913	248.702	-1194.26
177	10	-0.434397	248.891	-1198.6
178	10	-0.431644	249.077	-1202.92
179	10	-0.426148	249.259	-1207.18
180	10	-0.420664	249.436	-1211.39
181	10	-0.415193	249.608	-1215.54
182	10	-0.409735	249.776	-1219.64
183	10	-0.40429	249.939	-1223.68
184	10	-0.398855	250.098	-1227.67
185	10	-0.393433	250.253	-1231.6
186	10	-0.390726	250.406	-1235.51
187	10	-0.385321	250.554	-1239.36
188	10	-0.379927	250.699	-1243.16
189	10	-0.374544	250.839	-1246.91
190	10	-0.369171	250.975	-1250.6
191	10	-0.363809	251.108	-1254.24
192	10	-0.358459	251.236	-1257.82
193	10	-0.353118	251.361	-1261.35
194	10	-0.350451	251.484	-1264.86
195	10	-0.345126	251.603	-1268.31
196	10	-0.33981	251.718	-1271.71
197	10	-0.334503	251.83	-1275.05
198	10	-0.329206	251.938	-1278.34
199	10	-0.323919	252.043	-1281.58
200	10	-0.318639	252.145	-1284.77
201	10	-0.31337	252.243	-1287.9
202	10	-0.310738	252.34	-1291.01
203	10	-0.305481	252.433	-1294.07
204	10	-0.300232	252.523	-1297.07

205	10	-0.294992	252.61	-1300.02
206	10	-0.28976	252.694	-1302.92
207	10	-0.284535	252.775	-1305.76
208	10	-0.279319	252.853	-1308.55
209	10	-0.27411	252.928	-1311.3
210	10	-0.271509	253.002	-1314.01
211	10	-0.266311	253.073	-1316.67
212	10	-0.26112	253.141	-1319.28
213	10	-0.255936	253.206	-1321.84
214	10	-0.250759	253.269	-1324.35
215	10	-0.24559	253.33	-1326.81
216	10	-0.240426	253.387	-1329.21
217	10	-0.235269	253.443	-1331.56
218	10	-0.230118	253.496	-1333.87
219	10	-0.227545	253.548	-1336.14
220	10	-0.222403	253.597	-1338.37
221	10	-0.217267	253.644	-1340.54
222	10	-0.212137	253.689	-1342.66
223	10	-0.207012	253.732	-1344.73
224	10	-0.201894	253.773	-1346.75
225	10	-0.196779	253.812	-1348.72
226	10	-0.191671	253.848	-1350.63
227	10	-0.189118	253.884	-1352.52
228	10	-0.184017	253.918	-1354.36
229	10	-0.17892	253.95	-1356.15
230	10	-0.173829	253.98	-1357.89
231	10	-0.168741	254.009	-1359.58
232	10	-0.163659	254.035	-1361.22
233	10	-0.158579	254.061	-1362.8
234	10	-0.153505	254.084	-1364.34
235	10	-0.150969	254.107	-1365.85
236	10	-0.1459	254.128	-1367.31
237	10	-0.140835	254.148	-1368.71
238	10	-0.135774	254.166	-1370.07
239	10	-0.130716	254.184	-1371.38
240	10	-0.125661	254.199	-1372.64
241	10	-0.12061	254.214	-1373.84
242	10	-0.115562	254.227	-1375
243	10	-0.113039	254.24	-1376.13
244	10	-0.107995	254.252	-1377.21
245	10	-0.102953	254.262	-1378.24
246	10	-0.0979139	254.272	-1379.22
247	10	-0.0928787	254.281	-1380.14
248	10	-0.0878447	254.288	-1381.02
249	10	-0.0828129	254.295	-1381.85
250	10	-0.0777834	254.301	-1382.63
251	10	-0.0752698	254.307	-1383.38
252	10	-0.0702426	254.312	-1384.08
253	10	-0.0652187	254.316	-1384.74
254	10	-0.0601949	254.32	-1385.34
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256	10	-0.0501541	254.325	-1386.39
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258	10	-0.0401167	254.329	-1387.24
259	10	-0.0376076	254.33	-1387.62
260	10	-0.0325917	254.331	-1387.95
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263	10	-0.0175476	254.333	-1388.62
264	10	-0.0125328	254.333	-1388.75
265	10	-0.00751925	254.333	-1388.82
266	10	-0.0025068	254.333	-1388.85
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269	10	0.0125328	254.333	-1388.62
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271	10	0.0225612	254.334	-1388.22
272	10	0.0275759	254.335	-1387.95
273	10	0.0325917	254.336	-1387.62
274	10	0.0376076	254.337	-1387.24
275	10	0.0401167	254.339	-1386.84

276	10	0.0451348	254.341	-1386.39
277	10	0.0501541	254.344	-1385.89
278	10	0.0551734	254.347	-1385.34
279	10	0.0601949	254.35	-1384.74
280	10	0.0652187	254.354	-1384.08
281	10	0.0702426	254.359	-1383.38
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283	10	0.0777834	254.371	-1381.85
284	10	0.0828129	254.378	-1381.02
285	10	0.0878447	254.386	-1380.14
286	10	0.0928787	254.394	-1379.22
287	10	0.0979139	254.404	-1378.24
288	10	0.102953	254.414	-1377.21
289	10	0.107995	254.426	-1376.13
290	10	0.113039	254.439	-1375
291	10	0.115562	254.452	-1373.84
292	10	0.12061	254.467	-1372.64
293	10	0.125661	254.483	-1371.38
294	10	0.130716	254.5	-1370.07
295	10	0.135774	254.518	-1368.71
296	10	0.140835	254.538	-1367.31
297	10	0.1459	254.559	-1365.85
298	10	0.150969	254.582	-1364.34
299	10	0.153505	254.606	-1362.8
300	10	0.158579	254.631	-1361.22
301	10	0.163659	254.658	-1359.58
302	10	0.168741	254.686	-1357.89
303	10	0.173829	254.716	-1356.15
304	10	0.17892	254.748	-1354.36
305	10	0.184017	254.782	-1352.52
306	10	0.189118	254.818	-1350.63
307	10	0.191671	254.855	-1348.72
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309	10	0.201894	254.934	-1344.73
310	10	0.207012	254.977	-1342.66
311	10	0.212137	255.022	-1340.54
312	10	0.217267	255.069	-1338.37
313	10	0.222403	255.119	-1336.14
314	10	0.227545	255.17	-1333.87
315	10	0.230118	255.223	-1331.56
316	10	0.235269	255.279	-1329.21
317	10	0.240426	255.337	-1326.81
318	10	0.24559	255.397	-1324.35
319	10	0.250759	255.46	-1321.84
320	10	0.255936	255.525	-1319.28
321	10	0.261112	255.593	-1316.67
322	10	0.266311	255.664	-1314.01
323	10	0.271509	255.738	-1311.3
324	10	0.27411	255.813	-1308.55
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331	10	0.310738	256.423	-1287.9
332	10	0.31337	256.521	-1284.77
333	10	0.318639	256.623	-1281.58
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335	10	0.329206	256.836	-1275.05
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345	10	0.379927	258.112	-1239.36
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353	10	0.420664	259.408	-1207.18
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356	10	0.434397	259.964	-1194.26
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358	10	0.445443	260.356	-1185.41
359	10	0.450985	260.56	-1180.9
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361	10	0.462114	260.982	-1171.71
362	10	0.467699	261.2	-1167.03
363	10	0.473299	261.424	-1162.3
364	10	0.476105	261.651	-1157.54
365	10	0.481728	261.883	-1152.72
366	10	0.487364	262.121	-1147.85
367	10	0.493018	262.364	-1142.92
368	10	0.498687	262.612	-1137.93
369	10	0.504372	262.867	-1132.89
370	10	0.510074	263.127	-1127.79
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372	10	0.518658	263.662	-1117.44
373	10	0.524401	263.937	-1112.2
374	10	0.530162	264.218	-1106.9
375	10	0.53594	264.505	-1101.54
376	10	0.541736	264.799	-1096.12
377	10	0.547551	265.099	-1090.64
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381	10	0.568052	266.356	-1068.22
382	10	0.573953	266.686	-1062.48
383	10	0.579873	267.022	-1056.68
384	10	0.585815	267.365	-1050.82
385	10	0.591776	267.715	-1044.9
386	10	0.597761	268.073	-1038.92
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389	10	0.612813	269.181	-1020.69
390	10	0.618872	269.564	-1014.5
391	10	0.624956	269.954	-1008.25
392	10	0.631062	270.353	-1001.94
393	10	0.637192	270.759	-995.569
394	10	0.643345	271.173	-989.135
395	10	0.649522	271.594	-982.64
396	10	0.652622	272.02	-976.114
397	10	0.658838	272.454	-969.526
398	10	0.665079	272.897	-962.875
399	10	0.671346	273.347	-956.161
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401	10	0.68396	274.274	-942.545
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403	10	0.696684	275.236	-928.675
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405	10	0.706302	276.225	-914.614
406	10	0.712751	276.733	-907.486
407	10	0.719228	277.25	-900.294
408	10	0.725736	277.777	-893.036
409	10	0.732275	278.313	-885.714
410	10	0.738846	278.859	-878.325
411	10	0.745449	279.415	-870.871
412	10	0.748762	279.975	-863.383
413	10	0.755415	280.546	-855.829
414	10	0.7621	281.127	-848.208
415	10	0.768821	281.718	-840.52
416	10	0.775574	282.32	-832.764
417	10	0.782366	282.932	-824.94

418	10	0.789191	283.554	-817.048
419	10	0.796056	284.188	-809.088
420	10	0.7995	284.827	-801.093
421	10	0.806422	285.478	-793.029
422	10	0.813379	286.139	-784.895
423	10	0.820379	286.812	-776.691
424	10	0.827417	287.497	-768.417
425	10	0.834498	288.193	-760.072
426	10	0.841621	288.902	-751.656
427	10	0.848786	289.622	-743.168
428	10	0.855996	290.355	-734.608
429	10	0.859618	291.094	-726.012
430	10	0.866894	291.845	-717.343
431	10	0.874218	292.609	-708.601
432	10	0.881587	293.387	-699.785
433	10	0.889006	294.177	-690.895
434	10	0.896473	294.981	-681.93
435	10	0.903992	295.798	-672.89
436	10	0.911562	296.629	-663.774
437	10	0.915365	297.467	-654.621
438	10	0.923014	298.319	-645.391
439	10	0.930718	299.185	-636.083
440	10	0.938476	300.066	-626.699
441	10	0.946291	300.961	-617.236
442	10	0.954165	301.872	-607.694
443	10	0.9621	302.797	-598.073
444	10	0.970094	303.738	-588.372
445	10	0.974114	304.687	-578.631
446	10	0.982202	305.652	-568.809
447	10	0.990356	306.633	-558.905
448	10	0.998575	307.63	-548.92
449	11	1.00687	308.644	-537.844
450	11	1.01522	309.674	-526.677
451	11	1.02365	310.722	-515.417
452	11	1.03215	311.788	-504.063
453	12	1.03643	312.862	-491.626
454	12	1.04505	313.954	-479.085
455	12	1.05375	315.064	-466.44
456	12	1.06252	316.193	-453.69
457	12.2	1.07138	317.341	-440.619
458	13	1.08032	318.508	-426.575
459	13	1.08935	319.695	-412.413
460	13	1.09847	320.901	-398.133
461	13	1.10306	322.118	-383.794
462	13	1.11232	323.355	-369.333
463	13	1.12168	324.614	-354.752
464	13	1.13113	325.893	-340.047
465	13	1.14069	327.194	-325.218
466	13	1.15035	328.518	-310.263
467	14	1.16012	329.863	-294.022
468	14	1.17	331.232	-277.642
469	14	1.17499	332.613	-261.192
470	14.2	1.18504	334.017	-244.364
471	14.2	1.19522	335.446	-227.392
472	15	1.20553	336.899	-209.309
473	15.1	1.21596	338.378	-190.948
474	16	1.22653	339.882	-171.324
475	16	1.23724	341.413	-151.528
476	16.3	1.24809	342.97	-131.184
477	17	1.25357	344.542	-109.874
478	18	1.26464	346.141	-87.11
479	19	1.27588	347.769	-62.8683
480	20	1.28727	349.426	-37.1229
481	20	1.29884	351.113	-11.1462
482	20	1.31058	352.831	15.0654
483	20	1.32251	354.58	41.5155
484	20	1.33462	356.361	68.208
485	20.3	1.34075	358.159	95.4253
486	21	1.35317	359.99	123.842
487	22	1.36581	361.855	153.89
488	23	1.37866	363.756	185.599

489	23	1.39175	365.693	217.609
490	23	1.40507	367.667	249.926
491	23.7	1.41865	369.68	283.548
492	24.7	1.4325	371.732	318.931
493	25	1.43953	373.804	354.919
494	25	1.4538	375.917	391.264
495	28	1.46838	378.074	432.379
496	28	1.48328	380.274	473.911
497	29	1.49852	382.519	517.368
498	29	1.5141	384.812	561.277
499	29	1.53007	387.153	605.648
500	30	1.54643	389.544	652.041
501	32	1.55477	391.962	701.794
502	32	1.57179	394.432	752.091
503	32	1.58927	396.958	802.948
504	32	1.60725	399.541	854.38
505	33	1.62576	402.184	908.03
506	33	1.64485	404.89	962.31
507	36	1.66456	407.661	1022.23
508	36	1.68494	410.5	1082.89
509	36	1.6954	413.374	1143.93
510	38	1.71688	416.322	1209.17
511	41	1.7392	419.346	1280.48
512	41	1.76241	422.453	1352.73
513	42	1.78661	425.645	1427.77
514	42.4	1.81191	428.928	1504.6
515	45	1.83843	432.307	1587.33
516	47	1.86629	435.79	1675.04
517	48	1.88079	439.328	1765.32
518	51	1.91103	442.98	1862.78
519	51	1.94314	446.756	1961.88
520	53	1.97737	450.666	2066.68
521	54	2.01409	454.722	2175.44
522	59	2.05375	458.94	2296.62
523	60	2.09693	463.337	2422.43
524	61	2.14441	467.936	2553.24
525	61	2.17009	472.645	2685.62
526	68.7	2.22621	477.601	2838.56
527	75	2.29036	482.847	3010.33
528	94	2.36561	488.443	3232.7
529	118	2.45727	494.481	3522.66
530	140	2.57583	501.116	3883.28
531	210	2.74777	508.666	4460.31
532	260	0	508.666	4460.31

Data Set Standard Deviation = 18.3644

Numerator = 1.98943e+007

Denominator = 9.10923e+007

W Statistic = 0.218398 = 1.98943e+007 / 9.10923e+007

5% Critical value of 0.976 exceeds 0.218398

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.218398

Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Vanadium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 532

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.7	0	0	0
2	0.7	-2.74777	7.55021	-1.92344
3	1.6	-2.57583	14.1851	-6.04477
4	1.65	-2.45727	20.2233	-10.0993
5	1.65	-2.36561	25.8195	-14.0025
6	1.8	-2.29036	31.0652	-18.1252
7	1.8	-2.22621	36.0212	-22.1324
8	1.93	-2.17009	40.7305	-26.3206
9	2.02	-2.14441	45.329	-30.6523
10	2.02	-2.09693	49.7261	-34.8881
11	2.1	-2.05375	53.944	-39.201
12	2.11	-2.01409	58.0006	-43.4507
13	2.2	-1.97737	61.9105	-47.801
14	2.29	-1.94314	65.6863	-52.2507
15	2.3	-1.91103	69.3384	-56.6461
16	2.33	-1.88079	72.8757	-61.0283
17	2.42	-1.86629	76.3588	-65.5448
18	2.61	-1.83843	79.7386	-70.3431
19	2.72	-1.81191	83.0216	-75.2715
20	3.04	-1.78661	86.2136	-80.7028
21	3.11	-1.76241	89.3197	-86.1839
22	3.23	-1.7392	92.3445	-91.8015
23	3.27	-1.71688	95.2922	-97.4157
24	3.3	-1.6954	98.1666	-103.011
25	3.4	-1.68494	101.006	-108.739
26	3.65	-1.66456	103.776	-114.815
27	3.66	-1.64485	106.482	-120.835
28	3.81	-1.62576	109.125	-127.029
29	3.84	-1.60725	111.708	-133.201
30	3.88	-1.58927	114.234	-139.367
31	3.92	-1.57179	116.705	-145.529
32	4	-1.55477	119.122	-151.748
33	4.06	-1.54643	121.513	-158.026
34	4.1	-1.53007	123.854	-164.3
35	4.29	-1.5141	126.147	-170.795
36	4.32	-1.49852	128.392	-177.269
37	4.6	-1.48328	130.593	-184.092
38	5	-1.46838	132.749	-191.434
39	5	-1.4538	134.862	-198.703
40	5.4	-1.43953	136.935	-206.476
41	5.76	-1.4325	138.987	-214.728
42	6	-1.41865	140.999	-223.239
43	6	-1.40507	142.973	-231.67
44	6.2	-1.39175	144.91	-240.299
45	6.24	-1.37866	146.811	-248.902
46	6.4	-1.36581	148.676	-257.643
47	6.65	-1.35317	150.508	-266.641
48	6.8	-1.34075	152.305	-275.758
49	7	-1.33462	154.086	-285.101
50	7	-1.32251	155.835	-294.358
51	7.82	-1.31058	157.553	-304.607
52	7.99	-1.29884	159.24	-314.985
53	8.14	-1.28727	160.897	-325.463
54	8.15	-1.27588	162.525	-335.862
55	8.5	-1.26464	164.124	-346.611
56	9	-1.25357	165.696	-357.893
57	9.1	-1.24809	167.253	-369.251
58	9.44	-1.23724	168.784	-380.93
59	9.54	-1.22653	170.289	-392.631
60	10	-1.21596	171.767	-404.791
61	11	-1.20553	173.22	-418.052
62	11	-1.19522	174.649	-431.199

63	14.4	-1.18504	176.053	-448.264
64	14.5	-1.17499	177.434	-465.301
65	15	-1.17	178.803	-482.851
66	15	-1.16012	180.149	-500.253
67	15	-1.15035	181.472	-517.508
68	15.4	-1.14069	182.773	-535.075
69	25	-1.13113	184.053	-563.353
70	25	-1.12168	185.311	-591.395
71	33.7	-1.11232	186.548	-628.88
72	40	-1.10306	187.765	-673.003
73	40	-1.09847	188.971	-716.941
74	40	-1.08935	190.158	-760.515
75	40	-1.08032	191.325	-803.728
76	40	-1.07138	192.473	-846.583
77	40	-1.06252	193.602	-889.084
78	40	-1.05375	194.712	-931.234
79	40	-1.04505	195.804	-973.036
80	40	-1.03643	196.879	-1014.49
81	40	-1.03215	197.944	-1055.78
82	40	-1.02365	198.992	-1096.73
83	40	-1.01522	200.023	-1137.33
84	40	-1.00687	201.036	-1177.61
85	40	-0.998575	202.033	-1217.55
86	40	-0.990356	203.014	-1257.17
87	40	-0.982202	203.979	-1296.45
88	40	-0.974114	204.928	-1335.42
89	40	-0.970094	205.869	-1374.22
90	40	-0.9621	206.795	-1412.71
91	40	-0.954165	207.705	-1450.87
92	40	-0.946291	208.601	-1488.72
93	40	-0.938476	209.481	-1526.26
94	40	-0.930718	210.347	-1563.49
95	40	-0.923014	211.199	-1600.41
96	40	-0.915365	212.037	-1637.03
97	40	-0.911562	212.868	-1673.49
98	40	-0.903992	213.685	-1709.65
99	40	-0.896473	214.489	-1745.51
100	40	-0.889006	215.279	-1781.07
101	40	-0.881587	216.057	-1816.33
102	40	-0.874218	216.821	-1851.3
103	40	-0.866894	217.572	-1885.98
104	40	-0.859618	218.311	-1920.36
105	40	-0.855996	219.044	-1954.6
106	40	-0.848786	219.765	-1988.55
107	40	-0.841621	220.473	-2022.22
108	40	-0.834498	221.169	-2055.6
109	40	-0.827417	221.854	-2088.69
110	40	-0.820379	222.527	-2121.51
111	40	-0.813379	223.188	-2154.04
112	40	-0.806422	223.839	-2186.3
113	40	-0.7995	224.478	-2218.28
114	40	-0.796056	225.112	-2250.12
115	40	-0.789191	225.735	-2281.69
116	40	-0.782366	226.347	-2312.99
117	40	-0.775574	226.948	-2344.01
118	40	-0.768821	227.539	-2374.76
119	40	-0.7621	228.12	-2405.25
120	40	-0.755415	228.691	-2435.46
121	40	-0.748762	229.251	-2465.41
122	40	-0.745449	229.807	-2495.23
123	40	-0.738846	230.353	-2524.78
124	40	-0.732275	230.889	-2554.08
125	40	-0.725736	231.416	-2583.11
126	40	-0.719228	231.933	-2611.87
127	40	-0.712751	232.441	-2640.38
128	40	-0.706302	232.94	-2668.64
129	40	-0.699883	233.43	-2696.63
130	40	-0.696684	233.915	-2724.5
131	40	-0.690309	234.392	-2752.11
132	40	-0.68396	234.86	-2779.47
133	40	-0.677639	235.319	-2806.58

134	40	-0.671346	235.769	-2833.43
135	40	-0.665079	236.212	-2860.03
136	40	-0.658838	236.646	-2886.39
137	40	-0.652622	237.072	-2912.49
138	40	-0.649522	237.494	-2938.47
139	40	-0.643345	237.908	-2964.21
140	40	-0.637192	238.314	-2989.69
141	40	-0.631062	238.712	-3014.94
142	40	-0.624956	239.102	-3039.93
143	40	-0.618872	239.485	-3064.69
144	40	-0.612813	239.861	-3089.2
145	40	-0.606775	240.229	-3113.47
146	40	-0.603765	240.594	-3137.62
147	40	-0.597761	240.951	-3161.53
148	40	-0.591776	241.301	-3185.2
149	40	-0.585815	241.644	-3208.64
150	40	-0.579873	241.981	-3231.83
151	40	-0.573953	242.31	-3254.79
152	40	-0.568052	242.633	-3277.51
153	40	-0.56217	242.949	-3300
154	40	-0.559237	243.261	-3322.37
155	40	-0.553384	243.568	-3344.5
156	40	-0.547551	243.867	-3366.41
157	40	-0.541736	244.161	-3388.08
158	40	-0.53594	244.448	-3409.51
159	40	-0.530162	244.729	-3430.72
160	40	-0.524401	245.004	-3451.7
161	40	-0.518658	245.273	-3472.44
162	40	-0.515791	245.539	-3493.07
163	40	-0.510074	245.799	-3513.48
164	40	-0.504372	246.054	-3533.65
165	40	-0.498687	246.303	-3553.6
166	40	-0.493018	246.546	-3573.32
167	40	-0.487364	246.783	-3592.81
168	40	-0.481728	247.015	-3612.08
169	40	-0.476105	247.242	-3631.13
170	40	-0.473299	247.466	-3650.06
171	40	-0.467699	247.685	-3668.77
172	40	-0.462114	247.898	-3687.25
173	40	-0.456542	248.107	-3705.51
174	40	-0.450985	248.31	-3723.55
175	40	-0.445443	248.508	-3741.37
176	40	-0.439913	248.702	-3758.97
177	40	-0.434397	248.891	-3776.34
178	40	-0.431644	249.077	-3793.61
179	40	-0.426148	249.259	-3810.65
180	40	-0.420664	249.436	-3827.48
181	40	-0.415193	249.608	-3844.09
182	40	-0.409735	249.776	-3860.48
183	40	-0.404029	249.939	-3876.65
184	40	-0.398855	250.098	-3892.6
185	40	-0.393433	250.253	-3908.34
186	40	-0.390726	250.406	-3923.97
187	40	-0.385321	250.554	-3939.38
188	40	-0.379927	250.699	-3954.58
189	40	-0.374544	250.839	-3969.56
190	40	-0.369171	250.975	-3984.33
191	40	-0.363809	251.108	-3998.88
192	40	-0.358459	251.236	-4013.22
193	40	-0.353118	251.361	-4027.34
194	40	-0.350451	251.484	-4041.36
195	40	-0.345126	251.603	-4055.17
196	40	-0.33981	251.718	-4068.76
197	40	-0.334503	251.83	-4082.14
198	40	-0.329206	251.938	-4095.31
199	40	-0.323919	252.043	-4108.27
200	40	-0.318639	252.145	-4121.01
201	40	-0.31337	252.243	-4133.55
202	40	-0.310738	252.34	-4145.98
203	40	-0.305481	252.433	-4158.19
204	40	-0.300232	252.523	-4170.2

205	40	-0.294992	252.61	-4182
206	40	-0.28976	252.694	-4193.59
207	40	-0.284535	252.775	-4204.98
208	40	-0.279319	252.853	-4216.15
209	40	-0.27411	252.928	-4227.11
210	40	-0.271509	253.002	-4237.97
211	40	-0.266311	253.073	-4248.63
212	40	-0.26112	253.141	-4259.07
213	40	-0.255936	253.206	-4269.31
214	40	-0.250759	253.269	-4279.34
215	40	-0.24559	253.33	-4289.16
216	40	-0.240426	253.387	-4298.78
217	40	-0.235269	253.443	-4308.19
218	40	-0.230118	253.496	-4317.39
219	40	-0.227545	253.548	-4326.5
220	40	-0.222403	253.597	-4335.39
221	40	-0.217267	253.644	-4344.08
222	40	-0.212137	253.689	-4352.57
223	40	-0.207012	253.732	-4360.85
224	40	-0.201894	253.773	-4368.92
225	40	-0.196779	253.812	-4376.8
226	40	-0.191671	253.848	-4384.46
227	40	-0.189118	253.884	-4392.03
228	40	-0.184017	253.918	-4399.39
229	40	-0.17892	253.95	-4406.54
230	40	-0.173829	253.98	-4413.5
231	40	-0.168741	254.009	-4420.25
232	40	-0.163659	254.035	-4426.79
233	40	-0.158579	254.061	-4433.14
234	40	-0.153505	254.084	-4439.28
235	40	-0.150969	254.107	-4445.32
236	40	-0.1459	254.128	-4451.15
237	40	-0.140835	254.148	-4456.79
238	40	-0.135774	254.166	-4462.22
239	40	-0.130716	254.184	-4467.44
240	40	-0.125661	254.199	-4472.47
241	40	-0.12061	254.214	-4477.3
242	40	-0.115562	254.227	-4481.92
243	40	-0.113039	254.24	-4486.44
244	40	-0.107995	254.252	-4490.76
245	40	-0.102953	254.262	-4494.88
246	40	-0.0979139	254.272	-4498.79
247	40	-0.0928787	254.281	-4502.51
248	40	-0.0878447	254.288	-4506.02
249	40	-0.0828129	254.295	-4509.34
250	40	-0.0777834	254.301	-4512.45
251	40	-0.0752698	254.307	-4515.46
252	40	-0.0702426	254.312	-4518.27
253	40	-0.0652187	254.316	-4520.88
254	40	-0.0601949	254.32	-4523.28
255	40	-0.0551734	254.323	-4525.49
256	40	-0.0501541	254.325	-4527.5
257	40	-0.0451348	254.327	-4529.3
258	40	-0.0401167	254.329	-4530.91
259	40	-0.0376076	254.33	-4532.41
260	40	-0.0325917	254.331	-4533.72
261	40	-0.0275759	254.332	-4534.82
262	40	-0.0225612	254.333	-4535.72
263	40	-0.0175476	254.333	-4536.42
264	40	-0.0125328	254.333	-4536.92
265	40	-0.00751925	254.333	-4537.22
266	40	-0.0025068	254.333	-4537.32
267	40	0.0025068	254.333	-4537.22
268	40	0.00751925	254.333	-4536.92
269	40	0.0125328	254.333	-4536.42
270	40	0.0175476	254.334	-4535.72
271	40	0.0225612	254.334	-4534.82
272	40	0.0275759	254.335	-4533.72
273	40	0.0325917	254.336	-4532.41
274	40	0.0376076	254.337	-4530.91
275	40	0.0401167	254.339	-4529.3

276	40	0.0451348	254.341	-4527.5
277	40	0.0501541	254.344	-4525.49
278	40	0.0551734	254.347	-4523.28
279	40	0.0601949	254.35	-4520.88
280	40	0.0652187	254.354	-4518.27
281	40	0.0702426	254.359	-4515.46
282	40	0.0752698	254.365	-4512.45
283	40	0.0777834	254.371	-4509.34
284	40	0.0828129	254.378	-4506.02
285	40	0.0878447	254.386	-4502.51
286	40	0.0928787	254.394	-4498.79
287	40	0.0979139	254.404	-4494.88
288	40	0.102953	254.414	-4490.76
289	40	0.107995	254.426	-4486.44
290	40	0.113039	254.439	-4481.92
291	40	0.115562	254.452	-4477.3
292	40	0.12061	254.467	-4472.47
293	40	0.125661	254.483	-4467.44
294	40	0.130716	254.5	-4462.22
295	40	0.135774	254.518	-4456.79
296	40	0.140835	254.538	-4451.15
297	40	0.1459	254.559	-4445.32
298	40	0.150969	254.582	-4439.28
299	40	0.153505	254.606	-4433.14
300	40	0.158579	254.631	-4426.79
301	40	0.163659	254.658	-4420.25
302	40	0.168741	254.686	-4413.5
303	40	0.173829	254.716	-4406.54
304	40	0.17892	254.748	-4399.39
305	40	0.184017	254.782	-4392.03
306	40	0.189118	254.818	-4384.46
307	40	0.191671	254.855	-4376.8
308	40	0.196779	254.893	-4368.92
309	40	0.201894	254.934	-4360.85
310	40	0.207012	254.977	-4352.57
311	40	0.212137	255.022	-4344.08
312	40	0.217267	255.069	-4335.39
313	40	0.222403	255.119	-4326.5
314	40	0.227545	255.17	-4317.39
315	40	0.230118	255.223	-4308.19
316	40	0.235269	255.279	-4298.78
317	40	0.240426	255.337	-4289.16
318	40	0.24559	255.397	-4279.34
319	40	0.250759	255.46	-4269.31
320	40	0.255936	255.525	-4259.07
321	40	0.261112	255.593	-4248.63
322	40	0.266311	255.664	-4237.97
323	40	0.271509	255.738	-4227.11
324	40	0.27411	255.813	-4216.15
325	40	0.279319	255.891	-4204.98
326	40	0.284535	255.972	-4193.59
327	40	0.28976	256.056	-4182
328	40	0.294992	256.143	-4170.2
329	40	0.300232	256.233	-4158.19
330	40	0.305481	256.327	-4145.98
331	40	0.310738	256.423	-4133.55
332	40	0.31337	256.521	-4121.01
333	40	0.318639	256.623	-4108.27
334	40	0.323919	256.728	-4095.31
335	40	0.329206	256.836	-4082.14
336	40	0.334503	256.948	-4068.76
337	40	0.33981	257.064	-4055.17
338	40	0.345126	257.183	-4041.36
339	40	0.350451	257.305	-4027.34
340	40	0.353118	257.43	-4013.22
341	40	0.358459	257.559	-3998.88
342	40	0.363809	257.691	-3984.33
343	40	0.369171	257.827	-3969.56
344	40	0.374544	257.968	-3954.58
345	40	0.379927	258.112	-3939.38
346	40	0.385321	258.26	-3923.97

347	40	0.390726	258.413	-3908.34
348	40	0.393433	258.568	-3892.6
349	40	0.398855	258.727	-3876.65
350	40	0.40429	258.89	-3860.48
351	40	0.409735	259.058	-3844.09
352	40	0.415193	259.231	-3827.48
353	40	0.420664	259.408	-3810.65
354	40	0.426148	259.589	-3793.61
355	40	0.431644	259.776	-3776.34
356	40	0.434397	259.964	-3758.97
357	40	0.439913	260.158	-3741.37
358	40	0.445443	260.356	-3723.55
359	40	0.450985	260.56	-3705.51
360	40	0.456542	260.768	-3687.25
361	40	0.462114	260.982	-3668.77
362	40	0.467699	261.2	-3650.06
363	40	0.473299	261.424	-3631.13
364	40	0.476105	261.651	-3612.08
365	40	0.481728	261.883	-3592.81
366	40	0.487364	262.121	-3573.32
367	40	0.493018	262.364	-3553.6
368	40	0.498687	262.612	-3533.65
369	40	0.504372	262.867	-3513.48
370	40	0.510074	263.127	-3493.07
371	40	0.515791	263.393	-3472.44
372	40	0.518658	263.662	-3451.7
373	40	0.524401	263.937	-3430.72
374	40	0.530162	264.218	-3409.51
375	40	0.53594	264.505	-3388.08
376	40	0.541736	264.799	-3366.41
377	40	0.547551	265.099	-3344.5
378	40	0.553384	265.405	-3322.37
379	40	0.559237	265.717	-3300
380	40	0.56217	266.034	-3277.51
381	40	0.568052	266.356	-3254.79
382	40	0.573953	266.686	-3231.83
383	40	0.579873	267.022	-3208.64
384	40	0.585815	267.365	-3185.2
385	40	0.591776	267.715	-3161.53
386	40	0.597761	268.073	-3137.62
387	40	0.603765	268.437	-3113.47
388	40	0.606775	268.805	-3089.2
389	40	0.612813	269.181	-3064.69
390	40	0.618872	269.564	-3039.93
391	40	0.624956	269.954	-3014.94
392	40	0.631062	270.353	-2989.69
393	40	0.637192	270.759	-2964.21
394	40	0.643345	271.173	-2938.47
395	40	0.649522	271.594	-2912.49
396	40	0.652622	272.02	-2886.39
397	40	0.658838	272.454	-2860.03
398	40	0.665079	272.897	-2833.43
399	40	0.671346	273.347	-2806.58
400	40	0.677639	273.807	-2779.47
401	40	0.68396	274.274	-2752.11
402	40	0.690309	274.751	-2724.5
403	40	0.696684	275.236	-2696.63
404	40	0.699883	275.726	-2668.64
405	40	0.706302	276.225	-2640.38
406	40	0.712751	276.733	-2611.87
407	40	0.719228	277.25	-2583.11
408	40	0.725736	277.777	-2554.08
409	40	0.732275	278.313	-2524.78
410	40	0.738846	278.859	-2495.23
411	40	0.745449	279.415	-2465.41
412	40	0.748762	279.975	-2435.46
413	40	0.755415	280.546	-2405.25
414	40	0.7621	281.127	-2374.76
415	40	0.768821	281.718	-2344.01
416	40	0.775574	282.32	-2312.99
417	40	0.782366	282.932	-2281.69

418	40	0.789191	283.554	-2250.12
419	40	0.796056	284.188	-2218.28
420	40	0.7995	284.827	-2186.3
421	40	0.806422	285.478	-2154.04
422	40	0.813379	286.139	-2121.51
423	40	0.820379	286.812	-2088.69
424	40	0.827417	287.497	-2055.6
425	40	0.834498	288.193	-2022.22
426	40	0.841621	288.902	-1988.55
427	40	0.848786	289.622	-1954.6
428	40	0.855996	290.355	-1920.36
429	40	0.859618	291.094	-1885.98
430	40	0.866894	291.845	-1851.3
431	40	0.874218	292.609	-1816.33
432	40	0.881587	293.387	-1781.07
433	40	0.889006	294.177	-1745.51
434	40	0.896473	294.981	-1709.65
435	40	0.903992	295.798	-1673.49
436	40	0.911562	296.629	-1637.03
437	40	0.915365	297.467	-1600.41
438	40	0.923014	298.319	-1563.49
439	40	0.930718	299.185	-1526.26
440	40	0.938476	300.066	-1488.72
441	40	0.946291	300.961	-1450.87
442	40	0.954165	301.872	-1412.71
443	40	0.9621	302.797	-1374.22
444	40	0.970094	303.738	-1335.42
445	40	0.974114	304.687	-1296.45
446	40	0.982202	305.652	-1257.17
447	40	0.990356	306.633	-1217.55
448	40	0.998575	307.63	-1177.61
449	40	1.00687	308.644	-1137.33
450	40	1.01522	309.674	-1096.73
451	40	1.02365	310.722	-1055.78
452	40	1.03215	311.788	-1014.49
453	40	1.03643	312.862	-973.036
454	40	1.04505	313.954	-931.234
455	40	1.05375	315.064	-889.084
456	40	1.06252	316.193	-846.583
457	40	1.07138	317.341	-803.728
458	41	1.08032	318.508	-759.435
459	42	1.08935	319.695	-713.682
460	42	1.09847	320.901	-667.547
461	43	1.10306	322.118	-620.115
462	44	1.11232	323.355	-571.173
463	44	1.12168	324.614	-521.819
464	44	1.13113	325.893	-472.049
465	45	1.14069	327.194	-420.718
466	45	1.15035	328.518	-368.953
467	46	1.16012	329.863	-315.587
468	47	1.17	331.232	-260.597
469	48	1.17499	332.613	-204.198
470	48	1.18504	334.017	-147.316
471	48	1.19522	335.446	-89.9449
472	50	1.20553	336.899	-29.6686
473	50.1	1.21596	338.378	31.251
474	51	1.22653	339.882	93.804
475	51	1.23724	341.413	156.903
476	52	1.24809	342.97	221.803
477	53	1.25357	344.542	288.242
478	55.8	1.26464	346.141	358.809
479	57.5	1.27588	347.769	432.172
480	59	1.28727	349.426	508.121
481	59	1.29884	351.113	584.753
482	62	1.31058	352.831	666.009
483	63.2	1.32251	354.58	749.591
484	63.2	1.33462	356.361	833.939
485	66	1.34075	358.159	922.429
486	67	1.35317	359.99	1013.09
487	67	1.36581	361.855	1104.6
488	68	1.37866	363.756	1198.35

489	69	1.39175	365.693	1294.38
490	72	1.40507	367.667	1395.55
491	74.9	1.41865	369.68	1501.8
492	75	1.4325	371.732	1609.24
493	75	1.43953	373.804	1717.2
494	75	1.4538	375.917	1826.24
495	76	1.46838	378.074	1937.84
496	77	1.48328	380.274	2052.05
497	78	1.49852	382.519	2168.93
498	78	1.5141	384.812	2287.03
499	79.1	1.53007	387.153	2408.06
500	83	1.54643	389.544	2536.42
501	84	1.55477	391.962	2667.02
502	86	1.57179	394.432	2802.19
503	86	1.58927	396.958	2938.87
504	98	1.60725	399.541	3096.38
505	98.6	1.62576	402.184	3256.68
506	100	1.64485	404.89	3421.16
507	101	1.66456	407.661	3589.28
508	104	1.68494	410.5	3764.52
509	110	1.6954	413.374	3951.01
510	110	1.71688	416.322	4139.87
511	113	1.7392	419.346	4336.4
512	124	1.76241	422.453	4554.94
513	130	1.78661	425.645	4787.2
514	130	1.81191	428.928	5022.75
515	138	1.83843	432.307	5276.45
516	140	1.86629	435.79	5537.73
517	160	1.88079	439.328	5838.66
518	170	1.91103	442.98	6163.53
519	180	1.94314	446.756	6513.3
520	195	1.97737	450.666	6898.88
521	199	2.01409	454.722	7299.69
522	208	2.05375	458.94	7726.87
523	217	2.09693	463.337	8181.9
524	220	2.14441	467.936	8653.67
525	220	2.17009	472.645	9131.09
526	230	2.22621	477.601	9643.12
527	250	2.29036	482.847	10215.7
528	280	2.36561	488.443	10878.1
529	340	2.45727	494.481	11713.6
530	410	2.57583	501.116	12769.6
531	410	2.74777	508.666	13896.2
532	524	0	508.666	13896.2

Data Set Standard Deviation = 46.1073

Numerator = 1.93105e+008

Denominator = 5.74206e+008

W Statistic = 0.3363 = 1.93105e+008 / 5.74206e+008

5% Critical value of 0.976 exceeds 0.3363

Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.3363

Evidence of non-normality at 99% level of significance

APPENDIX VI
Non-Parametric Tolerance Limit Test Results

Non-Parametric Tolerance Interval

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 72.4453%

Background measurements (n) = 80

Maximum Background Concentration = 5

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	78.7	TRUE
II-1	7/6/1994	67.6	TRUE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	6.3	TRUE
II-1	7/11/1995	11	TRUE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	6.9	TRUE
II-1	9/25/1996	25	TRUE
II-1	3/26/1997	7	TRUE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	1.7	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	1.1	FALSE
II-1	12/2/2008	2.5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	1.5	FALSE
II-1	10/16/2009	ND<5	FALSE
II-1	4/30/2010	2.3	FALSE
II-1	10/8/2010	3	FALSE
II-1	5/11/2011	1.1	FALSE
II-1	10/13/2011	1.7	FALSE
II-1	4/19/2012	1.2	FALSE

II-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	6.8	TRUE
II-2	3/26/1999	13	TRUE

II-2	9/22/1999	9.2	TRUE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	6.3	TRUE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	9.5	TRUE
II-2	3/7/2002	9.1	TRUE
II-2	9/18/2002	7.1	TRUE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	7.8	TRUE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	20	TRUE
II-2	2/17/2005	16	TRUE
II-2	5/11/2005	12	TRUE
II-2	10/11/2005	17	TRUE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	10/19/2006	16	TRUE
II-2	10/19/2006	16	TRUE
II-2	4/12/2007	11	TRUE
II-2	9/28/2007	14	TRUE
II-2	4/30/2008	15	TRUE
II-2	12/2/2008	15	TRUE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	11	TRUE
II-2	10/16/2009	17	TRUE
II-2	4/30/2010	16	TRUE
II-2	10/8/2010	17	TRUE
II-2	5/11/2011	16	TRUE
II-2	10/13/2011	12	TRUE
II-2	4/19/2012	9.3	TRUE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	7	TRUE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	5.4	TRUE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	6	TRUE
II-3	10/11/2005	6	TRUE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	7.3	TRUE
II-3	10/19/2006	7.3	TRUE
II-3	4/12/2007	6.9	TRUE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	12	TRUE
II-3	12/2/2008	14	TRUE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	12	TRUE
II-3	10/16/2009	12	TRUE
II-3	4/30/2010	15	TRUE

II-3	10/8/2010	15	TRUE
II-3	5/11/2011	14	TRUE
II-3	10/13/2011	11	TRUE
II-3	4/19/2012	12	TRUE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	1.4	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	1.4	FALSE
II-4	12/2/2008	2.3	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	2.6	FALSE
II-4	10/16/2009	2.2	FALSE
II-4	4/30/2010	2.2	FALSE
II-4	10/8/2010	2.1	FALSE
II-4	5/11/2011	2.1	FALSE
II-4	10/13/2011	1.9	FALSE
II-4	4/19/2012	1.7	FALSE

II-5	3/25/1994	6.5	TRUE
II-5	7/6/1994	7.7	TRUE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	13.3	TRUE
II-5	7/11/1995	12	TRUE
II-5	11/17/1995	9.8	TRUE
II-5	1/5/1996	11	TRUE
II-5	9/25/1996	18	TRUE
II-5	3/26/1997	12	TRUE
II-5	9/17/1997	7.9	TRUE
II-5	5/5/1998	13	TRUE
II-5	10/16/1998	19	TRUE
II-5	3/26/1999	26	TRUE
II-5	9/22/1999	13	TRUE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	11	TRUE
II-5	3/12/2001	10	TRUE
II-5	9/13/2001	11	TRUE
II-5	3/7/2002	8.7	TRUE
II-5	9/18/2002	7.7	TRUE
II-5	4/15/2003	6.3	TRUE

II-5	10/16/2003	5.8	TRUE
II-5	3/24/2004	5.5	TRUE
II-5	9/22/2004	7.7	TRUE
II-5	5/11/2005	5	FALSE
II-5	10/11/2005	5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	2	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	0.62	FALSE
II-5	4/30/2010	0.91	FALSE
II-5	10/8/2010	0.74	FALSE
II-5	5/11/2011	ND<5	FALSE
II-5	10/13/2011	ND<5	FALSE
II-5	4/19/2012	ND<5	FALSE

II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE
II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	7.9	TRUE
II-8	9/22/1999	7.4	TRUE
II-8	3/27/2000	5.1	TRUE
II-8	9/13/2000	5.3	TRUE
II-8	3/12/2001	5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	1.2	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	1.2	FALSE
II-8	12/2/2008	1.2	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	0.87	FALSE
II-8	10/16/2009	0.73	FALSE
II-8	4/30/2010	0.79	FALSE
II-8	10/8/2010	0.83	FALSE
II-8	5/11/2011	0.79	FALSE
II-8	10/13/2011	ND<5	FALSE
II-8	4/19/2012	0.66	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	7.2	TRUE
I-5	7/11/1995	18	TRUE
I-5	11/17/1995	16	TRUE
I-5	1/5/1996	13	TRUE

I-5	9/25/1996	6.9	TRUE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	12	TRUE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
I-5	10/13/2011	ND<5	FALSE
I-5	4/19/2012	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE

II-6	4/30/2010	ND<5	FALSE
II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-6	10/13/2011	ND<5	FALSE
II-6	4/19/2012	ND<5	FALSE

II-7	3/17/1995	94	TRUE
II-7	7/11/1995	160	TRUE
II-7	11/17/1995	170	TRUE
II-7	1/5/1996	180	TRUE
II-7	9/25/1996	290	TRUE
II-7	3/26/1997	110	TRUE
II-7	9/17/1997	110	TRUE
II-7	5/5/1998	35	TRUE
II-7	10/16/1998	330	TRUE
II-7	3/26/1999	33	TRUE
II-7	9/22/1999	12	TRUE
II-7	3/27/2000	7.5	TRUE
II-7	9/13/2000	5.9	TRUE
II-7	3/12/2001	9.7	TRUE
II-7	9/13/2001	69	TRUE
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	12	TRUE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	5.6	TRUE
II-7	3/24/2004	6.9	TRUE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	7	TRUE
II-7	5/11/2005	9	TRUE
II-7	10/11/2005	9	TRUE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	2.6	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	0.72	FALSE
II-7	10/16/2009	1.7	FALSE
II-7	4/30/2010	1.1	FALSE
II-7	10/8/2010	0.42	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7	10/13/2011	ND<5	FALSE
II-7	4/19/2012	0.65	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	5.7	TRUE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	2.7	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	2	FALSE
II-7B	12/2/2008	1.2	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	0.69	FALSE
II-7B	10/16/2009	0.49	FALSE

II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-7B	10/13/2011	ND<5	FALSE
II-7B	4/19/2012	0.64	FALSE

II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-10	10/13/2011	ND<5	FALSE
II-10	4/19/2012	ND<5	FALSE

II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-11	10/13/2011	ND<5	FALSE
II-11	4/19/2012	ND<5	FALSE

II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE
II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-12	10/13/2011	ND<5	FALSE
II-12	4/19/2012	ND<5	FALSE

II-9	5/11/2005	25	TRUE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE

II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE
II-9	10/13/2011	ND<5	FALSE
II-9	4/19/2012	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: 1,4-Dichlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 90.146%

Background measurements (n) = 80

Maximum Background Concentration = 5

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	ND<5	FALSE
II-1	7/6/1994	4.5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	6	TRUE
II-1	11/17/1995	6.7	TRUE
II-1	1/5/1996	5.9	TRUE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	9	TRUE
II-1	9/17/1997	6.7	TRUE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	6.6	TRUE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	6	TRUE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	5	FALSE
II-1	4/30/2008	1.5	FALSE
II-1	12/2/2008	4.4	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	2.9	FALSE
II-1	10/16/2009	6.9	TRUE
II-1	4/30/2010	6.5	TRUE
II-1	10/8/2010	7.5	TRUE
II-1	5/11/2011	4	FALSE
II-1	10/13/2011	7.6	TRUE
II-1	4/19/2012	4.6	FALSE

II-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE

II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	ND<5	FALSE
II-2	2/17/2005	ND<5	FALSE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE
II-2	4/12/2007	ND<5	FALSE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	ND<5	FALSE
II-2	12/2/2008	ND<5	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	ND<5	FALSE
II-2	10/16/2009	0.67	FALSE
II-2	4/30/2010	0.61	FALSE
II-2	10/8/2010	0.54	FALSE
II-2	5/11/2011	0.87	FALSE
II-2	10/13/2011	ND<5	FALSE
II-2	4/19/2012	0.55	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	ND<5	FALSE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	ND<5	FALSE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-3	4/30/2010	ND<5	FALSE

II-3	10/8/2010	ND<5	FALSE
II-3	5/11/2011	ND<5	FALSE
II-3	10/13/2011	ND<5	FALSE
II-3	4/19/2012	ND<5	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-4	10/13/2011	ND<5	FALSE
II-4	4/19/2012	ND<5	FALSE

II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	ND<5	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE

II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	0.5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-5	10/13/2011	ND<5	FALSE
II-5	4/19/2012	ND<5	FALSE

II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE
II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	0.89	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	0.73	FALSE
II-8	12/2/2008	0.59	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	0.55	FALSE
II-8	10/8/2010	0.56	FALSE
II-8	5/11/2011	ND<5	FALSE
II-8	10/13/2011	ND<5	FALSE
II-8	4/19/2012	0.52	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	5.2	TRUE
I-5	7/11/1995	79	TRUE
I-5	11/17/1995	6.7	TRUE
I-5	1/5/1996	6.2	TRUE

I-5	9/25/1996	5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	2.9	FALSE
I-5	9/28/2007	1.8	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
I-5	10/13/2011	ND<5	FALSE
I-5	4/19/2012	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	6	TRUE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	6.9	TRUE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	9	TRUE
II-6	3/26/1999	6.4	TRUE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	5	FALSE
II-6	10/11/2005	7	TRUE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	3.3	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	5.2	TRUE
II-6	2/13/2009	4.1	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	3.8	FALSE

II-6	4/30/2010	3.4	FALSE
II-6	10/8/2010	4.7	FALSE
II-6	5/11/2011	ND<5	FALSE
II-6	10/13/2011	4	FALSE
II-6	4/19/2012	0.51	FALSE

II-7	3/17/1995	ND<5	FALSE
II-7	7/11/1995	ND<5	FALSE
II-7	11/17/1995	ND<5	FALSE
II-7	1/5/1996	ND<5	FALSE
II-7	9/25/1996	ND<5	FALSE
II-7	3/26/1997	ND<5	FALSE
II-7	9/17/1997	ND<5	FALSE
II-7	5/5/1998	ND<5	FALSE
II-7	10/16/1998	6.6	TRUE
II-7	3/26/1999	ND<5	FALSE
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	9/13/2001	ND<5	FALSE
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	ND<5	FALSE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	ND<5	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	ND<5	FALSE
II-7	10/16/2009	ND<5	FALSE
II-7	4/30/2010	0.53	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7	10/13/2011	ND<5	FALSE
II-7	4/19/2012	0.42	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE

II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-7B	10/13/2011	ND<5	FALSE
II-7B	4/19/2012	ND<5	FALSE

II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-10	10/13/2011	ND<5	FALSE
II-10	4/19/2012	ND<5	FALSE

II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-11	10/13/2011	ND<5	FALSE
II-11	4/19/2012	ND<5	FALSE

II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE
II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-12	10/13/2011	ND<5	FALSE
II-12	4/19/2012	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE

II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE
II-9	10/13/2011	ND<5	FALSE
II-9	4/19/2012	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.0657%

Background measurements (n) = 80

Maximum Background Concentration = 5

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	5.4	TRUE
II-1	7/6/1994	6.5	TRUE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	1.1	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	0.7	FALSE
II-1	10/16/2009	1.4	FALSE
II-1	4/30/2010	1.1	FALSE
II-1	10/8/2010	1.2	FALSE
II-1	5/11/2011	0.78	FALSE
II-1	10/13/2011	0.98	FALSE
II-1	4/19/2012	0.91	FALSE

II-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE

II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	ND<5	FALSE
II-2	2/17/2005	ND<5	FALSE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE
II-2	4/12/2007	1.4	FALSE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	1.8	FALSE
II-2	12/2/2008	1.6	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	1.4	FALSE
II-2	10/16/2009	1.9	FALSE
II-2	4/30/2010	1.2	FALSE
II-2	10/8/2010	0.67	FALSE
II-2	5/11/2011	ND<5	FALSE
II-2	10/13/2011	ND<5	FALSE
II-2	4/19/2012	ND<5	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	ND<5	FALSE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	ND<5	FALSE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	0.52	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	0.7	FALSE
II-3	4/30/2010	0.8	FALSE

II-3	10/8/2010	0.96	FALSE
II-3	5/11/2011	ND<5	FALSE
II-3	10/13/2011	1.1	FALSE
II-3	4/19/2012	1.1	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-4	10/13/2011	ND<5	FALSE
II-4	4/19/2012	ND<5	FALSE

II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	ND<5	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE

II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-5	10/13/2011	ND<5	FALSE
II-5	4/19/2012	ND<5	FALSE

II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE
II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE
II-8	10/13/2011	ND<5	FALSE
II-8	4/19/2012	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE

I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
I-5	10/13/2011	ND<5	FALSE
I-5	4/19/2012	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	5.2	TRUE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	2.9	FALSE
II-6	2/13/2009	1.8	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	1.7	FALSE

II-6	4/30/2010	1.6	FALSE
II-6	10/8/2010	2.2	FALSE
II-6	5/11/2011	ND<5	FALSE
II-6	10/13/2011	2.4	FALSE
II-6	4/19/2012	ND<5	FALSE

II-7	3/17/1995	ND<5	FALSE
II-7	7/11/1995	7	TRUE
II-7	11/17/1995	7	TRUE
II-7	1/5/1996	6.7	TRUE
II-7	9/25/1996	14	TRUE
II-7	3/26/1997	ND<5	FALSE
II-7	9/17/1997	6	TRUE
II-7	5/5/1998	ND<5	FALSE
II-7	10/16/1998	11	TRUE
II-7	3/26/1999	ND<5	FALSE
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	9/13/2001	ND<5	FALSE
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	ND<5	FALSE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	ND<5	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	0.42	FALSE
II-7	10/16/2009	ND<5	FALSE
II-7	4/30/2010	0.64	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7	10/13/2011	ND<5	FALSE
II-7	4/19/2012	ND<5	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE

II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-7B	10/13/2011	ND<5	FALSE
II-7B	4/19/2012	ND<5	FALSE

II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-10	10/13/2011	ND<5	FALSE
II-10	4/19/2012	ND<5	FALSE

II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-11	10/13/2011	ND<5	FALSE
II-11	4/19/2012	ND<5	FALSE

II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE
II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-12	10/13/2011	ND<5	FALSE
II-12	4/19/2012	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE

II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE
II-9	10/13/2011	ND<5	FALSE
II-9	4/19/2012	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: cis-1,2-Dichloroethylene (-ethylene)
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 89.9635%

Background measurements (n) = 80

Maximum Background Concentration = 5

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	7.3	TRUE
II-1	7/6/1994	11.5	TRUE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	0.71	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	1	FALSE
II-1	10/16/2009	3	FALSE
II-1	4/30/2010	3.3	FALSE
II-1	10/8/2010	4.2	FALSE
II-1	5/11/2011	0.88	FALSE
II-1	10/13/2011	ND<5	FALSE
II-1	4/19/2012	2.1	FALSE

II-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE

II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	5.2	TRUE
II-2	2/17/2005	7	TRUE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	10/19/2006	7.9	TRUE
II-2	10/19/2006	7.9	TRUE
II-2	4/12/2007	6.8	TRUE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	12	TRUE
II-2	12/2/2008	11	TRUE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	11	TRUE
II-2	10/16/2009	20	TRUE
II-2	4/30/2010	20	TRUE
II-2	10/8/2010	23	TRUE
II-2	5/11/2011	21	TRUE
II-2	10/13/2011	21	TRUE
II-2	4/19/2012	17	TRUE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	ND<5	FALSE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	ND<5	FALSE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	0.52	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	0.52	FALSE
II-3	10/16/2009	0.46	FALSE
II-3	4/30/2010	0.66	FALSE

II-3	10/8/2010	0.88	FALSE
II-3	5/11/2011	1.7	FALSE
II-3	10/13/2011	ND<5	FALSE
II-3	4/19/2012	0.66	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	0.49	FALSE
II-4	10/16/2009	0.47	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-4	10/13/2011	ND<5	FALSE
II-4	4/19/2012	ND<5	FALSE

II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	ND<5	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE

II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-5	10/13/2011	ND<5	FALSE
II-5	4/19/2012	ND<5	FALSE

II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE
II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE
II-8	10/13/2011	ND<5	FALSE
II-8	4/19/2012	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE

I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
I-5	10/13/2011	ND<5	FALSE
I-5	4/19/2012	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE

II-6	4/30/2010	ND<5	FALSE
II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-6	10/13/2011	ND<5	FALSE
II-6	4/19/2012	ND<5	FALSE

II-7	3/17/1995	34.4	TRUE
II-7	7/11/1995	48	TRUE
II-7	11/17/1995	78	TRUE
II-7	1/5/1996	110	TRUE
II-7	9/25/1996	160	TRUE
II-7	3/26/1997	63	TRUE
II-7	9/17/1997	79	TRUE
II-7	5/5/1998	9.7	TRUE
II-7	10/16/1998	200	TRUE
II-7	3/26/1999	6.1	TRUE
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	9/13/2001	44	TRUE
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	8	TRUE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	6	TRUE
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	1.1	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	2.3	FALSE
II-7	10/16/2009	0.94	FALSE
II-7	4/30/2010	3.6	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7	10/13/2011	ND<5	FALSE
II-7	4/19/2012	0.79	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE

II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-7B	10/13/2011	ND<5	FALSE
II-7B	4/19/2012	0.58	FALSE

II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-10	10/13/2011	ND<5	FALSE
II-10	4/19/2012	ND<5	FALSE

II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-11	10/13/2011	ND<5	FALSE
II-11	4/19/2012	ND<5	FALSE

II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE
II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-12	10/13/2011	ND<5	FALSE
II-12	4/19/2012	ND<5	FALSE

II-9	5/11/2005	42	TRUE
II-9	4/24/2006	28.7	TRUE
II-9	4/24/2006	28.7	TRUE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE

II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE
II-9	10/13/2011	ND<5	FALSE
II-9	4/19/2012	ND<5	FALSE

Non-Parametric Tolerance Interval**Parameter: Tetrachloroethene (-ethylene)****Original Data (Not Transformed)****Non-Detects Replaced with Detection Limit**

Total Percent Non-Detects = 92.1533%

Background measurements (n) = 80

Maximum Background Concentration = 5

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	ND<5	FALSE
II-1	7/6/1994	ND<5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	ND<5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	ND<5	FALSE
II-1	10/16/2009	ND<5	FALSE
II-1	4/30/2010	ND<5	FALSE
II-1	10/8/2010	ND<5	FALSE
II-1	5/11/2011	ND<5	FALSE
II-1	10/13/2011	ND<5	FALSE
II-1	4/19/2012	ND<5	FALSE

II-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE

II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	ND<5	FALSE
II-2	2/17/2005	ND<5	FALSE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	10/19/2006	5.2	TRUE
II-2	10/19/2006	5.2	TRUE
II-2	4/12/2007	5.1	TRUE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	3.5	FALSE
II-2	12/2/2008	2.8	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	3.2	FALSE
II-2	10/16/2009	5.2	TRUE
II-2	4/30/2010	4.2	FALSE
II-2	10/8/2010	3.6	FALSE
II-2	5/11/2011	2.9	FALSE
II-2	10/13/2011	ND<5	FALSE
II-2	4/19/2012	2.2	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	ND<5	FALSE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	ND<5	FALSE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-3	4/30/2010	ND<5	FALSE

II-3	10/8/2010	ND<5	FALSE
II-3	5/11/2011	ND<5	FALSE
II-3	10/13/2011	ND<5	FALSE
II-3	4/19/2012	ND<5	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-4	10/13/2011	ND<5	FALSE
II-4	4/19/2012	ND<5	FALSE

II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	ND<5	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE

II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-5	10/13/2011	ND<5	FALSE
II-5	4/19/2012	ND<5	FALSE

II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE
II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE
II-8	10/13/2011	ND<5	FALSE
II-8	4/19/2012	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE

I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
I-5	10/13/2011	ND<5	FALSE
I-5	4/19/2012	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE

II-6	4/30/2010	ND<5	FALSE
II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-6	10/13/2011	ND<5	FALSE
II-6	4/19/2012	ND<5	FALSE

II-7	3/17/1995	95.4	TRUE
II-7	7/11/1995	160	TRUE
II-7	11/17/1995	66	TRUE
II-7	1/5/1996	77	TRUE
II-7	9/25/1996	52	TRUE
II-7	3/26/1997	87	TRUE
II-7	9/17/1997	150	TRUE
II-7	5/5/1998	15	TRUE
II-7	10/16/1998	190	TRUE
II-7	3/26/1999	12	TRUE
II-7	9/22/1999	12	TRUE
II-7	3/27/2000	9	TRUE
II-7	9/13/2000	12	TRUE
II-7	3/12/2001	9.6	TRUE
II-7	9/13/2001	20	TRUE
II-7	3/7/2002	7	TRUE
II-7	9/18/2002	8.7	TRUE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	3/24/2004	6.7	TRUE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	3.6	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	0.69	FALSE
II-7	12/2/2008	1	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	0.99	FALSE
II-7	10/16/2009	0.83	FALSE
II-7	4/30/2010	0.56	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7	10/13/2011	ND<5	FALSE
II-7	4/19/2012	ND<5	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	1.8	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	0.4	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	0.63	FALSE
II-7B	10/16/2009	0.51	FALSE

II-7B	4/30/2010	0.57	FALSE
II-7B	10/8/2010	0.57	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-7B	10/13/2011	ND<5	FALSE
II-7B	4/19/2012	0.41	FALSE

II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-10	10/13/2011	ND<5	FALSE
II-10	4/19/2012	ND<5	FALSE

II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-11	10/13/2011	ND<5	FALSE
II-11	4/19/2012	ND<5	FALSE

II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE
II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-12	10/13/2011	ND<5	FALSE
II-12	4/19/2012	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE

II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE
II-9	10/13/2011	ND<5	FALSE
II-9	4/19/2012	ND<5	FALSE

Non-Parametric Tolerance Interval**Parameter: Tetrahydrofuran****Original Data (Not Transformed)****Non-Detects Replaced with Detection Limit**

Total Percent Non-Detects = 75%

Background measurements (n) = 4

Maximum Background Concentration = 2.1

Minimum Coverage = 47.3%

Average Coverage = 80%

Location	Date	Value	Significant
I-5	10/13/2011	ND<2.1	FALSE
I-5	4/19/2012	ND<2.1	FALSE
II-1	10/13/2011	11	TRUE
II-1	4/19/2012	4.4	TRUE
II-10	10/13/2011	ND<2.1	FALSE
II-10	4/19/2012	ND<2.1	FALSE
II-11	10/13/2011	ND<2.1	FALSE
II-11	4/19/2012	ND<2.1	FALSE
II-12	10/13/2011	ND<2.1	FALSE
II-12	4/19/2012	ND<2.1	FALSE
II-2	10/13/2011	ND<2.1	FALSE
II-2	4/19/2012	ND<2.1	FALSE
II-3	10/13/2011	ND<2.1	FALSE
II-3	4/19/2012	ND<2.1	FALSE
II-4	10/13/2011	ND<2.1	FALSE
II-4	4/19/2012	2.4	TRUE
II-5	10/13/2011	ND<2.1	FALSE
II-5	4/19/2012	ND<2.1	FALSE
II-6	10/13/2011	34	TRUE
II-6	4/19/2012	4	TRUE
II-7	10/13/2011	ND<2.1	FALSE
II-7	4/19/2012	ND<2.1	FALSE
II-7B	10/13/2011	ND<2.1	FALSE
II-7B	4/19/2012	130	TRUE
II-8	10/13/2011	0.82	FALSE
II-8	4/19/2012	5.5	TRUE
II-9	10/13/2011	ND<2.1	FALSE
II-9	4/19/2012	ND<2.1	FALSE

Non-Parametric Tolerance Interval**Parameter: Trichloroethylene (-ethylene)****Original Data (Not Transformed)****Non-Detects Replaced with Detection Limit**

Total Percent Non-Detects = 95.073%

Background measurements (n) = 80

Maximum Background Concentration = 5

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	1.9	FALSE
II-1	7/6/1994	ND<5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	ND<5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	ND<5	FALSE
II-1	10/16/2009	0.91	FALSE
II-1	4/30/2010	0.53	FALSE
II-1	10/8/2010	0.48	FALSE
II-1	5/11/2011	ND<5	FALSE
II-1	10/13/2011	ND<5	FALSE
II-1	4/19/2012	ND<5	FALSE

II-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE

II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	ND<5	FALSE
II-2	2/17/2005	ND<5	FALSE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	ND<5	FALSE
II-2	4/24/2006	5.5	TRUE
II-2	4/24/2006	5.5	TRUE
II-2	10/19/2006	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE
II-2	4/12/2007	ND<5	FALSE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	3.6	FALSE
II-2	12/2/2008	3.1	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	3	FALSE
II-2	10/16/2009	4.7	FALSE
II-2	4/30/2010	4.1	FALSE
II-2	10/8/2010	3.6	FALSE
II-2	5/11/2011	3.3	FALSE
II-2	10/13/2011	ND<5	FALSE
II-2	4/19/2012	2.5	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	ND<5	FALSE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	ND<5	FALSE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-3	4/30/2010	ND<5	FALSE

II-3	10/8/2010	ND<5	FALSE
II-3	5/11/2011	ND<5	FALSE
II-3	10/13/2011	ND<5	FALSE
II-3	4/19/2012	ND<5	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-4	10/13/2011	ND<5	FALSE
II-4	4/19/2012	ND<5	FALSE

II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	0.9	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE

II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-5	10/13/2011	ND<5	FALSE
II-5	4/19/2012	ND<5	FALSE

II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE
II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE
II-8	10/13/2011	ND<5	FALSE
II-8	4/19/2012	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE

I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
I-5	10/13/2011	ND<5	FALSE
I-5	4/19/2012	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE

II-6	4/30/2010	ND<5	FALSE
II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-6	10/13/2011	ND<5	FALSE
II-6	4/19/2012	ND<5	FALSE

II-7	3/17/1995	56.2	TRUE
II-7	7/11/1995	93	TRUE
II-7	11/17/1995	73	TRUE
II-7	1/5/1996	82	TRUE
II-7	9/25/1996	100	TRUE
II-7	3/26/1997	63	TRUE
II-7	9/17/1997	90	TRUE
II-7	5/5/1998	10	TRUE
II-7	10/16/1998	180	TRUE
II-7	3/26/1999	ND<5	FALSE
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	9/13/2001	20	TRUE
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	ND<5	FALSE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	ND<5	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	ND<5	FALSE
II-7	10/16/2009	0.48	FALSE
II-7	4/30/2010	ND<5	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7	10/13/2011	ND<5	FALSE
II-7	4/19/2012	ND<5	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE

II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-7B	10/13/2011	ND<5	FALSE
II-7B	4/19/2012	ND<5	FALSE

II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-10	10/13/2011	ND<5	FALSE
II-10	4/19/2012	ND<5	FALSE

II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-11	10/13/2011	ND<5	FALSE
II-11	4/19/2012	ND<5	FALSE

II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE
II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-12	10/13/2011	ND<5	FALSE
II-12	4/19/2012	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE

II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE
II-9	10/13/2011	ND<5	FALSE
II-9	4/19/2012	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.6204%

Background measurements (n) = 80

Maximum Background Concentration = 10

Minimum Coverage = 96.3%

Average Coverage = 98.7654%

Location	Date	Value	Significant
II-1	3/25/1994	93	TRUE
II-1	7/6/1994	9	FALSE
II-1	9/9/1994	ND<10	FALSE
II-1	3/17/1995	ND<10	FALSE
II-1	7/11/1995	ND<10	FALSE
II-1	11/17/1995	ND<10	FALSE
II-1	1/5/1996	ND<10	FALSE
II-1	9/25/1996	ND<10	FALSE
II-1	3/26/1997	ND<10	FALSE
II-1	9/17/1997	ND<10	FALSE
II-1	5/5/1998	ND<10	FALSE
II-1	10/16/1998	ND<10	FALSE
II-1	3/26/1999	ND<10	FALSE
II-1	9/22/1999	ND<10	FALSE
II-1	3/27/2000	ND<10	FALSE
II-1	9/13/2000	ND<10	FALSE
II-1	3/12/2001	ND<10	FALSE
II-1	9/13/2001	ND<10	FALSE
II-1	3/7/2002	ND<10	FALSE
II-1	9/18/2002	ND<10	FALSE
II-1	4/15/2003	ND<10	FALSE
II-1	10/16/2003	ND<10	FALSE
II-1	3/24/2004	ND<10	FALSE
II-1	9/22/2004	ND<10	FALSE
II-1	2/17/2005	ND<10	FALSE
II-1	5/11/2005	ND<10	FALSE
II-1	10/11/2005	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	10/19/2006	ND<10	FALSE
II-1	10/19/2006	ND<10	FALSE
II-1	4/12/2007	ND<10	FALSE
II-1	9/28/2007	ND<10	FALSE
II-1	4/30/2008	ND<10	FALSE
II-1	12/2/2008	0.73	FALSE
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	ND<10	FALSE
II-1	10/16/2009	1.6	FALSE
II-1	4/30/2010	0.9	FALSE
II-1	10/8/2010	1.4	FALSE
II-1	5/11/2011	ND<10	FALSE
II-1	10/13/2011	ND<10	FALSE
II-1	4/19/2012	0.52	FALSE

II-2	3/25/1994	ND<10	FALSE
II-2	7/6/1994	ND<10	FALSE
II-2	9/9/1994	ND<10	FALSE
II-2	3/17/1995	ND<10	FALSE
II-2	7/11/1995	ND<10	FALSE
II-2	11/17/1995	ND<10	FALSE
II-2	1/5/1996	ND<10	FALSE
II-2	9/25/1996	ND<10	FALSE
II-2	3/26/1997	ND<10	FALSE
II-2	9/17/1997	ND<10	FALSE
II-2	5/5/1998	ND<10	FALSE
II-2	10/16/1998	ND<10	FALSE
II-2	3/26/1999	ND<10	FALSE

II-2	9/22/1999	ND<10	FALSE
II-2	3/27/2000	ND<10	FALSE
II-2	9/13/2000	ND<10	FALSE
II-2	3/12/2001	ND<10	FALSE
II-2	9/13/2001	ND<10	FALSE
II-2	3/7/2002	ND<10	FALSE
II-2	9/18/2002	ND<10	FALSE
II-2	4/15/2003	ND<10	FALSE
II-2	10/16/2003	ND<10	FALSE
II-2	3/24/2004	ND<10	FALSE
II-2	9/22/2004	ND<10	FALSE
II-2	2/17/2005	ND<10	FALSE
II-2	5/11/2005	ND<10	FALSE
II-2	10/11/2005	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	4/12/2007	3.2	FALSE
II-2	9/28/2007	ND<10	FALSE
II-2	4/30/2008	3.6	FALSE
II-2	12/2/2008	3.9	FALSE
II-2	2/13/2009	ND<10	FALSE
II-2	4/17/2009	2.6	FALSE
II-2	10/16/2009	5.4	FALSE
II-2	4/30/2010	4.8	FALSE
II-2	10/8/2010	5.4	FALSE
II-2	5/11/2011	5.1	FALSE
II-2	10/13/2011	3.5	FALSE
II-2	4/19/2012	2.1	FALSE

II-3	3/25/1994	ND<10	FALSE
II-3	7/6/1994	ND<10	FALSE
II-3	9/9/1994	ND<10	FALSE
II-3	3/17/1995	ND<10	FALSE
II-3	7/11/1995	ND<10	FALSE
II-3	11/17/1995	ND<10	FALSE
II-3	1/5/1996	ND<10	FALSE
II-3	9/25/1996	ND<10	FALSE
II-3	3/26/1997	ND<10	FALSE
II-3	9/17/1997	ND<10	FALSE
II-3	5/5/1998	ND<10	FALSE
II-3	10/16/1998	ND<10	FALSE
II-3	3/26/1999	ND<10	FALSE
II-3	9/22/1999	ND<10	FALSE
II-3	3/27/2000	ND<10	FALSE
II-3	9/13/2000	ND<10	FALSE
II-3	3/12/2001	ND<10	FALSE
II-3	9/13/2001	ND<10	FALSE
II-3	3/7/2002	ND<10	FALSE
II-3	9/18/2002	ND<10	FALSE
II-3	4/15/2003	ND<10	FALSE
II-3	10/16/2003	ND<10	FALSE
II-3	3/24/2004	ND<10	FALSE
II-3	9/22/2004	ND<10	FALSE
II-3	2/17/2005	ND<10	FALSE
II-3	5/11/2005	ND<10	FALSE
II-3	10/11/2005	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	10/19/2006	ND<10	FALSE
II-3	10/19/2006	ND<10	FALSE
II-3	4/12/2007	ND<10	FALSE
II-3	9/28/2007	ND<10	FALSE
II-3	4/30/2008	ND<10	FALSE
II-3	12/2/2008	0.44	FALSE
II-3	2/13/2009	0.47	FALSE
II-3	4/17/2009	ND<10	FALSE
II-3	10/16/2009	ND<10	FALSE
II-3	4/30/2010	ND<10	FALSE

II-3	10/8/2010	0.44	FALSE
II-3	5/11/2011	ND<10	FALSE
II-3	10/13/2011	ND<10	FALSE
II-3	4/19/2012	ND<10	FALSE

II-4	3/25/1994	ND<10	FALSE
II-4	7/6/1994	ND<10	FALSE
II-4	9/9/1994	ND<10	FALSE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	ND<10	FALSE
II-4	11/17/1995	ND<10	FALSE
II-4	1/5/1996	ND<10	FALSE
II-4	9/25/1996	ND<10	FALSE
II-4	3/26/1997	ND<10	FALSE
II-4	9/17/1997	ND<10	FALSE
II-4	5/5/1998	ND<10	FALSE
II-4	10/16/1998	ND<10	FALSE
II-4	3/26/1999	ND<10	FALSE
II-4	9/22/1999	ND<10	FALSE
II-4	3/27/2000	ND<10	FALSE
II-4	9/13/2000	ND<10	FALSE
II-4	3/12/2001	ND<10	FALSE
II-4	9/13/2001	ND<10	FALSE
II-4	3/7/2002	ND<10	FALSE
II-4	9/18/2002	ND<10	FALSE
II-4	4/15/2003	ND<10	FALSE
II-4	10/16/2003	ND<10	FALSE
II-4	3/24/2004	ND<10	FALSE
II-4	9/22/2004	ND<10	FALSE
II-4	5/11/2005	ND<10	FALSE
II-4	10/11/2005	ND<10	FALSE
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II-4	4/24/2006	ND<10	FALSE
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II-4	10/19/2006	ND<10	FALSE
II-4	4/12/2007	ND<10	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	4/30/2008	ND<10	FALSE
II-4	12/2/2008	ND<10	FALSE
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	ND<10	FALSE
II-4	10/16/2009	ND<10	FALSE
II-4	4/30/2010	ND<10	FALSE
II-4	10/8/2010	ND<10	FALSE
II-4	5/11/2011	ND<10	FALSE
II-4	10/13/2011	ND<10	FALSE
II-4	4/19/2012	ND<10	FALSE

II-5	3/25/1994	ND<10	FALSE
II-5	7/6/1994	ND<10	FALSE
II-5	9/9/1994	ND<10	FALSE
II-5	3/17/1995	ND<10	FALSE
II-5	7/11/1995	ND<10	FALSE
II-5	11/17/1995	ND<10	FALSE
II-5	1/5/1996	ND<10	FALSE
II-5	9/25/1996	ND<10	FALSE
II-5	3/26/1997	ND<10	FALSE
II-5	9/17/1997	ND<10	FALSE
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II-5	3/12/2001	ND<10	FALSE
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II-5	9/18/2002	ND<10	FALSE
II-5	4/15/2003	ND<10	FALSE

II-5	10/16/2003	ND<10	FALSE
II-5	3/24/2004	ND<10	FALSE
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II-5	5/11/2005	ND<10	FALSE
II-5	10/11/2005	ND<10	FALSE
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II-5	9/28/2007	ND<10	FALSE
II-5	4/30/2008	ND<10	FALSE
II-5	12/2/2008	ND<10	FALSE
II-5	2/13/2009	ND<10	FALSE
II-5	4/17/2009	ND<10	FALSE
II-5	10/16/2009	ND<10	FALSE
II-5	4/30/2010	ND<10	FALSE
II-5	10/8/2010	ND<10	FALSE
II-5	5/11/2011	ND<10	FALSE
II-5	10/13/2011	ND<10	FALSE
II-5	4/19/2012	ND<10	FALSE

II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	ND<10	FALSE
II-8	3/17/1995	ND<10	FALSE
II-8	7/11/1995	ND<10	FALSE
II-8	11/17/1995	ND<10	FALSE
II-8	1/5/1996	ND<10	FALSE
II-8	9/25/1996	ND<10	FALSE
II-8	3/26/1997	ND<10	FALSE
II-8	9/17/1997	ND<10	FALSE
II-8	5/5/1998	ND<10	FALSE
II-8	10/16/1998	ND<10	FALSE
II-8	3/26/1999	ND<10	FALSE
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II-8	4/24/2006	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
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II-8	9/28/2007	ND<10	FALSE
II-8	4/30/2008	ND<10	FALSE
II-8	12/2/2008	ND<10	FALSE
II-8	2/13/2009	ND<10	FALSE
II-8	4/17/2009	ND<10	FALSE
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II-8	4/30/2010	ND<10	FALSE
II-8	10/8/2010	ND<10	FALSE
II-8	5/11/2011	ND<10	FALSE
II-8	10/13/2011	ND<10	FALSE
II-8	4/19/2012	ND<10	FALSE

I-5	9/9/1994	ND<10	FALSE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	ND<10	FALSE
I-5	11/17/1995	ND<10	FALSE
I-5	1/5/1996	ND<10	FALSE

I-5	9/25/1996	ND<10	FALSE
I-5	3/26/1997	ND<10	FALSE
I-5	9/17/1997	ND<10	FALSE
I-5	5/5/1998	ND<10	FALSE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	ND<10	FALSE
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I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	ND<10	FALSE
I-5	3/12/2001	ND<10	FALSE
I-5	9/13/2001	ND<10	FALSE
I-5	3/7/2002	ND<10	FALSE
I-5	9/18/2002	ND<10	FALSE
I-5	4/15/2003	ND<10	FALSE
I-5	10/16/2003	ND<10	FALSE
I-5	3/24/2004	ND<10	FALSE
I-5	9/22/2004	ND<10	FALSE
I-5	5/11/2005	ND<10	FALSE
I-5	10/11/2005	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	4/12/2007	ND<10	FALSE
I-5	9/28/2007	ND<10	FALSE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
I-5	4/30/2010	ND<10	FALSE
I-5	10/8/2010	ND<10	FALSE
I-5	5/11/2011	ND<10	FALSE
I-5	10/13/2011	ND<10	FALSE
I-5	4/19/2012	ND<10	FALSE

II-6	3/17/1995	ND<10	FALSE
II-6	7/11/1995	ND<10	FALSE
II-6	11/17/1995	ND<10	FALSE
II-6	1/5/1996	ND<10	FALSE
II-6	9/25/1996	ND<10	FALSE
II-6	3/26/1997	ND<10	FALSE
II-6	9/17/1997	ND<10	FALSE
II-6	5/5/1998	ND<10	FALSE
II-6	10/16/1998	ND<10	FALSE
II-6	3/26/1999	ND<10	FALSE
II-6	9/22/1999	ND<10	FALSE
II-6	3/27/2000	ND<10	FALSE
II-6	9/13/2000	ND<10	FALSE
II-6	3/12/2001	ND<10	FALSE
II-6	9/13/2001	ND<10	FALSE
II-6	3/7/2002	ND<10	FALSE
II-6	9/18/2002	ND<10	FALSE
II-6	4/15/2003	ND<10	FALSE
II-6	10/16/2003	ND<10	FALSE
II-6	3/24/2004	ND<10	FALSE
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II-6	4/24/2006	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
II-6	10/19/2006	ND<10	FALSE
II-6	10/19/2006	ND<10	FALSE
II-6	4/12/2007	ND<10	FALSE
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	ND<10	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	ND<10	FALSE
II-6	10/16/2009	ND<10	FALSE

II-6	4/30/2010	ND<10	FALSE
II-6	10/8/2010	ND<10	FALSE
II-6	5/11/2011	ND<10	FALSE
II-6	10/13/2011	ND<10	FALSE
II-6	4/19/2012	ND<10	FALSE

II-7	3/17/1995	ND<10	FALSE
II-7	7/11/1995	ND<10	FALSE
II-7	11/17/1995	ND<10	FALSE
II-7	1/5/1996	ND<10	FALSE
II-7	9/25/1996	ND<10	FALSE
II-7	3/26/1997	ND<10	FALSE
II-7	9/17/1997	ND<10	FALSE
II-7	5/5/1998	ND<10	FALSE
II-7	10/16/1998	ND<10	FALSE
II-7	3/26/1999	ND<10	FALSE
II-7	9/22/1999	ND<10	FALSE
II-7	3/27/2000	ND<10	FALSE
II-7	9/13/2000	ND<10	FALSE
II-7	3/12/2001	ND<10	FALSE
II-7	9/13/2001	ND<10	FALSE
II-7	3/7/2002	ND<10	FALSE
II-7	9/18/2002	ND<10	FALSE
II-7	4/15/2003	ND<10	FALSE
II-7	10/16/2003	ND<10	FALSE
II-7	3/24/2004	ND<10	FALSE
II-7	9/22/2004	ND<10	FALSE
II-7	2/17/2005	ND<10	FALSE
II-7	5/11/2005	ND<10	FALSE
II-7	10/11/2005	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	4/12/2007	ND<10	FALSE
II-7	9/28/2007	ND<10	FALSE
II-7	4/30/2008	ND<10	FALSE
II-7	12/2/2008	ND<10	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	0.45	FALSE
II-7	10/16/2009	0.47	FALSE
II-7	4/30/2010	0.8	FALSE
II-7	10/8/2010	ND<10	FALSE
II-7	5/11/2011	ND<10	FALSE
II-7	10/13/2011	ND<10	FALSE
II-7	4/19/2012	ND<10	FALSE

II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
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II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	ND<10	FALSE

II-7B	4/30/2010	ND<10	FALSE
II-7B	10/8/2010	ND<10	FALSE
II-7B	5/11/2011	ND<10	FALSE
II-7B	10/13/2011	ND<10	FALSE
II-7B	4/19/2012	ND<10	FALSE

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II-10	4/24/2006	ND<10	FALSE
II-10	10/19/2006	ND<10	FALSE
II-10	10/19/2006	ND<10	FALSE
II-10	4/12/2007	ND<10	FALSE
II-10	9/28/2007	ND<10	FALSE
II-10	4/30/2008	ND<10	FALSE
II-10	12/2/2008	ND<10	FALSE
II-10	2/13/2009	ND<10	FALSE
II-10	4/17/2009	ND<10	FALSE
II-10	10/16/2009	ND<10	FALSE
II-10	4/30/2010	ND<10	FALSE
II-10	10/8/2010	ND<10	FALSE
II-10	5/11/2011	ND<10	FALSE
II-10	10/13/2011	ND<10	FALSE
II-10	4/19/2012	ND<10	FALSE

II-11	5/11/2005	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	4/12/2007	ND<10	FALSE
II-11	9/28/2007	ND<10	FALSE
II-11	4/30/2008	ND<10	FALSE
II-11	12/2/2008	ND<10	FALSE
II-11	2/13/2009	ND<10	FALSE
II-11	4/17/2009	ND<10	FALSE
II-11	10/16/2009	ND<10	FALSE
II-11	4/30/2010	ND<10	FALSE
II-11	10/8/2010	ND<10	FALSE
II-11	5/11/2011	ND<10	FALSE
II-11	10/13/2011	ND<10	FALSE
II-11	4/19/2012	ND<10	FALSE

II-12	5/11/2005	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	10/19/2006	ND<10	FALSE
II-12	10/19/2006	ND<10	FALSE
II-12	4/12/2007	ND<10	FALSE
II-12	9/28/2007	ND<10	FALSE
II-12	4/30/2008	ND<10	FALSE
II-12	12/2/2008	ND<10	FALSE
II-12	2/13/2009	ND<10	FALSE
II-12	4/17/2009	ND<10	FALSE
II-12	10/16/2009	ND<10	FALSE
II-12	4/30/2010	ND<10	FALSE
II-12	10/8/2010	ND<10	FALSE
II-12	5/11/2011	ND<10	FALSE
II-12	10/13/2011	ND<10	FALSE
II-12	4/19/2012	ND<10	FALSE

II-9	5/11/2005	12	TRUE
II-9	4/24/2006	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	4/12/2007	ND<10	FALSE
II-9	9/28/2007	ND<10	FALSE

II-9	4/30/2008	ND<10	FALSE
II-9	12/2/2008	ND<10	FALSE
II-9	2/13/2009	ND<10	FALSE
II-9	4/17/2009	ND<10	FALSE
II-9	10/16/2009	ND<10	FALSE
II-9	4/30/2010	ND<10	FALSE
II-9	10/8/2010	ND<10	FALSE
II-9	5/11/2011	ND<10	FALSE
II-9	10/13/2011	ND<10	FALSE
II-9	4/19/2012	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Arsenic

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 94.3609%

Background measurements (n) = 78

Maximum Background Concentration = 10

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	ND<10	FALSE
II-1	7/6/1994	ND<10	FALSE
II-1	9/9/1994	1	FALSE
II-1	3/17/1995	ND<10	FALSE
II-1	7/11/1995	ND<10	FALSE
II-1	11/17/1995	ND<10	FALSE
II-1	1/5/1996	ND<10	FALSE
II-1	9/25/1996	ND<10	FALSE
II-1	3/26/1997	ND<10	FALSE
II-1	9/17/1997	ND<10	FALSE
II-1	5/5/1998	ND<10	FALSE
II-1	10/16/1998	ND<10	FALSE
II-1	3/26/1999	ND<10	FALSE
II-1	9/22/1999	ND<10	FALSE
II-1	3/27/2000	ND<10	FALSE
II-1	9/13/2000	ND<10	FALSE
II-1	3/12/2001	ND<10	FALSE
II-1	9/13/2001	ND<10	FALSE
II-1	3/7/2002	ND<10	FALSE
II-1	9/18/2002	ND<10	FALSE
II-1	4/15/2003	ND<10	FALSE
II-1	10/16/2003	ND<10	FALSE
II-1	3/24/2004	ND<10	FALSE
II-1	9/22/2004	ND<10	FALSE
II-1	2/17/2005	ND<10	FALSE
II-1	5/11/2005	ND<10	FALSE
II-1	10/11/2005	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	10/19/2006	ND<10	FALSE
II-1	4/12/2007	ND<10	FALSE
II-1	9/28/2007	ND<10	FALSE
II-1	4/30/2008	ND<10	FALSE
II-1	12/2/2008	ND<10	FALSE
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	ND<10	FALSE
II-1	10/16/2009	ND<10	FALSE
II-1	4/30/2010	ND<10	FALSE
II-1	10/8/2010	ND<10	FALSE
II-1	5/11/2011	ND<10	FALSE
II-1	10/13/2011	ND<10	FALSE
II-1	4/19/2012	3.06	FALSE

II-2	3/25/1994	ND<10	FALSE
II-2	7/6/1994	ND<10	FALSE
II-2	9/9/1994	1	FALSE
II-2	3/17/1995	ND<10	FALSE
II-2	7/11/1995	ND<10	FALSE
II-2	11/17/1995	ND<10	FALSE
II-2	1/5/1996	ND<10	FALSE
II-2	9/25/1996	ND<10	FALSE
II-2	3/26/1997	ND<10	FALSE
II-2	9/17/1997	ND<10	FALSE
II-2	5/5/1998	ND<10	FALSE
II-2	10/16/1998	ND<10	FALSE
II-2	3/26/1999	ND<10	FALSE
II-2	9/22/1999	ND<10	FALSE

II-2	3/27/2000	ND<10	FALSE
II-2	9/13/2000	ND<10	FALSE
II-2	3/12/2001	ND<10	FALSE
II-2	9/13/2001	ND<10	FALSE
II-2	3/7/2002	ND<10	FALSE
II-2	9/18/2002	ND<10	FALSE
II-2	4/15/2003	ND<10	FALSE
II-2	10/16/2003	ND<10	FALSE
II-2	3/24/2004	ND<10	FALSE
II-2	9/22/2004	ND<10	FALSE
II-2	2/17/2005	ND<10	FALSE
II-2	5/11/2005	ND<10	FALSE
II-2	10/11/2005	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	4/12/2007	ND<10	FALSE
II-2	9/28/2007	ND<10	FALSE
II-2	4/30/2008	ND<10	FALSE
II-2	12/2/2008	ND<10	FALSE
II-2	2/13/2009	ND<10	FALSE
II-2	4/17/2009	3.8	FALSE
II-2	10/16/2009	ND<10	FALSE
II-2	4/30/2010	ND<10	FALSE
II-2	10/8/2010	ND<10	FALSE
II-2	5/11/2011	ND<10	FALSE
II-2	10/13/2011	ND<10	FALSE
II-2	4/19/2012	ND<10	FALSE

II-3	3/25/1994	ND<10	FALSE
II-3	7/6/1994	ND<10	FALSE
II-3	9/9/1994	ND<10	FALSE
II-3	3/17/1995	ND<10	FALSE
II-3	7/11/1995	ND<10	FALSE
II-3	11/17/1995	ND<10	FALSE
II-3	1/5/1996	ND<10	FALSE
II-3	9/25/1996	ND<10	FALSE
II-3	3/26/1997	ND<10	FALSE
II-3	9/17/1997	ND<10	FALSE
II-3	5/5/1998	ND<10	FALSE
II-3	10/16/1998	ND<10	FALSE
II-3	3/26/1999	ND<10	FALSE
II-3	9/22/1999	ND<10	FALSE
II-3	3/27/2000	ND<10	FALSE
II-3	9/13/2000	ND<10	FALSE
II-3	3/12/2001	ND<10	FALSE
II-3	9/13/2001	ND<10	FALSE
II-3	3/7/2002	ND<10	FALSE
II-3	9/18/2002	ND<10	FALSE
II-3	4/15/2003	ND<10	FALSE
II-3	10/16/2003	ND<10	FALSE
II-3	3/24/2004	ND<10	FALSE
II-3	9/22/2004	ND<10	FALSE
II-3	2/17/2005	ND<10	FALSE
II-3	5/11/2005	ND<10	FALSE
II-3	10/11/2005	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	10/19/2006	ND<10	FALSE
II-3	4/12/2007	2.5	FALSE
II-3	9/28/2007	ND<10	FALSE
II-3	4/30/2008	ND<10	FALSE
II-3	12/2/2008	ND<10	FALSE
II-3	2/13/2009	ND<10	FALSE
II-3	4/17/2009	ND<10	FALSE
II-3	10/16/2009	ND<10	FALSE
II-3	4/30/2010	4.79	FALSE
II-3	10/8/2010	ND<10	FALSE
II-3	5/11/2011	ND<10	FALSE
II-3	10/13/2011	ND<10	FALSE

II-3	4/19/2012	ND<10	FALSE
II-4	3/25/1994	ND<10	FALSE
II-4	7/6/1994	ND<10	FALSE
II-4	9/9/1994	ND<10	FALSE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	ND<10	FALSE
II-4	11/17/1995	ND<10	FALSE
II-4	1/5/1996	ND<10	FALSE
II-4	9/25/1996	ND<10	FALSE
II-4	3/26/1997	ND<10	FALSE
II-4	9/17/1997	ND<10	FALSE
II-4	5/5/1998	ND<10	FALSE
II-4	10/16/1998	ND<10	FALSE
II-4	3/26/1999	ND<10	FALSE
II-4	9/22/1999	ND<10	FALSE
II-4	3/27/2000	ND<10	FALSE
II-4	9/13/2000	ND<10	FALSE
II-4	3/12/2001	ND<10	FALSE
II-4	9/13/2001	ND<10	FALSE
II-4	3/7/2002	ND<10	FALSE
II-4	9/18/2002	ND<10	FALSE
II-4	4/15/2003	ND<10	FALSE
II-4	10/16/2003	ND<10	FALSE
II-4	3/24/2004	ND<10	FALSE
II-4	9/22/2004	ND<10	FALSE
II-4	5/11/2005	ND<10	FALSE
II-4	10/11/2005	ND<10	FALSE
II-4	4/24/2006	ND<10	FALSE
II-4	4/24/2006	ND<10	FALSE
II-4	10/19/2006	ND<10	FALSE
II-4	4/12/2007	2.5	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	4/30/2008	ND<10	FALSE
II-4	12/2/2008	ND<10	FALSE
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	ND<10	FALSE
II-4	10/16/2009	ND<10	FALSE
II-4	4/30/2010	ND<10	FALSE
II-4	10/8/2010	ND<10	FALSE
II-4	5/11/2011	ND<10	FALSE
II-4	10/13/2011	ND<10	FALSE
II-4	4/19/2012	ND<10	FALSE

II-5	3/25/1994	1	FALSE
II-5	7/6/1994	ND<10	FALSE
II-5	9/9/1994	1	FALSE
II-5	3/17/1995	ND<10	FALSE
II-5	7/11/1995	ND<10	FALSE
II-5	11/17/1995	ND<10	FALSE
II-5	1/5/1996	ND<10	FALSE
II-5	9/25/1996	ND<10	FALSE
II-5	3/26/1997	ND<10	FALSE
II-5	9/17/1997	ND<10	FALSE
II-5	5/5/1998	ND<10	FALSE
II-5	10/16/1998	ND<10	FALSE
II-5	3/26/1999	ND<10	FALSE
II-5	9/22/1999	ND<10	FALSE
II-5	3/27/2000	ND<10	FALSE
II-5	9/13/2000	ND<10	FALSE
II-5	3/12/2001	ND<10	FALSE
II-5	9/13/2001	ND<10	FALSE
II-5	3/7/2002	ND<10	FALSE
II-5	9/18/2002	ND<10	FALSE
II-5	4/15/2003	ND<10	FALSE
II-5	10/16/2003	ND<10	FALSE
II-5	3/24/2004	ND<10	FALSE
II-5	9/22/2004	ND<10	FALSE
II-5	5/11/2005	ND<10	FALSE

II-5	10/11/2005	ND<10	FALSE
II-5	4/24/2006	ND<10	FALSE
II-5	4/24/2006	ND<10	FALSE
II-5	10/19/2006	ND<10	FALSE
II-5	4/12/2007	ND<10	FALSE
II-5	9/28/2007	ND<10	FALSE
II-5	4/30/2008	2.2	FALSE
II-5	12/2/2008	ND<10	FALSE
II-5	2/13/2009	ND<10	FALSE
II-5	4/17/2009	ND<10	FALSE
II-5	10/16/2009	3.4	FALSE
II-5	4/30/2010	ND<10	FALSE
II-5	10/8/2010	ND<10	FALSE
II-5	5/11/2011	ND<10	FALSE
II-5	10/13/2011	ND<10	FALSE
II-5	4/19/2012	6.84	FALSE

II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	ND<10	FALSE
II-8	3/17/1995	ND<10	FALSE
II-8	7/11/1995	ND<10	FALSE
II-8	11/17/1995	ND<10	FALSE
II-8	1/5/1996	ND<10	FALSE
II-8	9/25/1996	ND<10	FALSE
II-8	3/26/1997	ND<10	FALSE
II-8	9/17/1997	ND<10	FALSE
II-8	5/5/1998	ND<10	FALSE
II-8	10/16/1998	ND<10	FALSE
II-8	3/26/1999	ND<10	FALSE
II-8	9/22/1999	ND<10	FALSE
II-8	3/27/2000	ND<10	FALSE
II-8	9/13/2000	ND<10	FALSE
II-8	3/12/2001	ND<10	FALSE
II-8	9/13/2001	ND<10	FALSE
II-8	3/7/2002	ND<10	FALSE
II-8	9/18/2002	ND<10	FALSE
II-8	4/15/2003	ND<10	FALSE
II-8	10/16/2003	ND<10	FALSE
II-8	3/24/2004	ND<10	FALSE
II-8	9/22/2004	ND<10	FALSE
II-8	5/11/2005	ND<10	FALSE
II-8	10/11/2005	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	4/12/2007	ND<10	FALSE
II-8	9/28/2007	ND<10	FALSE
II-8	4/30/2008	ND<10	FALSE
II-8	12/2/2008	ND<10	FALSE
II-8	2/13/2009	ND<10	FALSE
II-8	4/17/2009	ND<10	FALSE
II-8	10/16/2009	ND<10	FALSE
II-8	4/30/2010	ND<10	FALSE
II-8	10/8/2010	ND<10	FALSE
II-8	5/11/2011	ND<10	FALSE
II-8	10/13/2011	ND<10	FALSE
II-8	4/19/2012	10.1	TRUE

I-5	9/9/1994	ND<10	FALSE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	ND<10	FALSE
I-5	11/17/1995	ND<10	FALSE
I-5	1/5/1996	ND<10	FALSE
I-5	9/25/1996	ND<10	FALSE
I-5	3/26/1997	ND<10	FALSE
I-5	9/17/1997	23	TRUE
I-5	5/5/1998	ND<10	FALSE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	ND<10	FALSE

I-5	9/22/1999	ND<10	FALSE
I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	ND<10	FALSE
I-5	3/12/2001	ND<10	FALSE
I-5	9/13/2001	ND<10	FALSE
I-5	3/7/2002	ND<10	FALSE
I-5	9/18/2002	ND<10	FALSE
I-5	4/15/2003	ND<10	FALSE
I-5	10/16/2003	ND<10	FALSE
I-5	3/24/2004	ND<10	FALSE
I-5	9/22/2004	ND<10	FALSE
I-5	5/11/2005	ND<10	FALSE
I-5	10/11/2005	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	4/12/2007	ND<10	FALSE
I-5	9/28/2007	ND<10	FALSE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
I-5	4/30/2010	ND<10	FALSE
I-5	10/8/2010	ND<10	FALSE
I-5	5/11/2011	ND<10	FALSE
I-5	10/13/2011	ND<10	FALSE
I-5	4/19/2012	ND<10	FALSE

II-6	3/17/1995	ND<10	FALSE
II-6	7/11/1995	ND<10	FALSE
II-6	11/17/1995	ND<10	FALSE
II-6	1/5/1996	ND<10	FALSE
II-6	9/25/1996	ND<10	FALSE
II-6	3/26/1997	ND<10	FALSE
II-6	9/17/1997	20	TRUE
II-6	5/5/1998	ND<10	FALSE
II-6	10/16/1998	ND<10	FALSE
II-6	3/26/1999	ND<10	FALSE
II-6	9/22/1999	ND<10	FALSE
II-6	3/27/2000	ND<10	FALSE
II-6	9/13/2000	ND<10	FALSE
II-6	3/12/2001	ND<10	FALSE
II-6	9/13/2001	ND<10	FALSE
II-6	3/7/2002	ND<10	FALSE
II-6	9/18/2002	ND<10	FALSE
II-6	4/15/2003	ND<10	FALSE
II-6	10/16/2003	ND<10	FALSE
II-6	3/24/2004	ND<10	FALSE
II-6	9/22/2004	ND<10	FALSE
II-6	5/11/2005	ND<10	FALSE
II-6	10/11/2005	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
II-6	10/19/2006	ND<10	FALSE
II-6	4/12/2007	ND<10	FALSE
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	ND<10	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	3 3	FALSE
II-6	10/16/2009	ND<10	FALSE
II-6	4/30/2010	ND<10	FALSE
II-6	10/8/2010	5.22	FALSE
II-6	5/11/2011	ND<10	FALSE
II-6	10/13/2011	ND<10	FALSE
II-6	4/19/2012	ND<10	FALSE

II-7	3/17/1995	ND<10	FALSE
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II-7	7/11/1995	ND<10	FALSE
II-7	11/17/1995	ND<10	FALSE
II-7	1/5/1996	ND<10	FALSE
II-7	9/25/1996	ND<10	FALSE
II-7	3/26/1997	ND<10	FALSE
II-7	9/17/1997	ND<10	FALSE
II-7	5/5/1998	ND<10	FALSE
II-7	10/16/1998	ND<10	FALSE
II-7	3/26/1999	ND<10	FALSE
II-7	9/22/1999	ND<10	FALSE
II-7	3/27/2000	ND<10	FALSE
II-7	9/13/2000	ND<10	FALSE
II-7	3/12/2001	ND<10	FALSE
II-7	9/13/2001	ND<10	FALSE
II-7	3/7/2002	ND<10	FALSE
II-7	9/18/2002	ND<10	FALSE
II-7	4/15/2003	ND<10	FALSE
II-7	10/16/2003	ND<10	FALSE
II-7	3/24/2004	ND<10	FALSE
II-7	9/22/2004	ND<10	FALSE
II-7	2/17/2005	ND<10	FALSE
II-7	5/11/2005	ND<10	FALSE
II-7	10/11/2005	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	4/12/2007	ND<10	FALSE
II-7	9/28/2007	ND<10	FALSE
II-7	4/30/2008	3.1	FALSE
II-7	12/2/2008	ND<10	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	ND<10	FALSE
II-7	10/16/2009	ND<10	FALSE
II-7	4/30/2010	ND<10	FALSE
II-7	10/8/2010	ND<10	FALSE
II-7	5/11/2011	ND<10	FALSE
II-7	10/13/2011	ND<10	FALSE
II-7	4/19/2012	ND<10	FALSE

II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	3.95	FALSE
II-7B	4/30/2010	5.22	FALSE
II-7B	10/8/2010	ND<10	FALSE
II-7B	5/11/2011	ND<10	FALSE
II-7B	10/13/2011	ND<10	FALSE
II-7B	4/19/2012	6.24	FALSE

II-10	5/11/2005	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE

II-10	10/19/2006	ND<10	FALSE
II-10	4/12/2007	ND<10	FALSE
II-10	9/28/2007	ND<10	FALSE
II-10	4/30/2008	ND<10	FALSE
II-10	12/2/2008	ND<10	FALSE
II-10	2/13/2009	ND<10	FALSE
II-10	4/17/2009	ND<10	FALSE
II-10	10/16/2009	ND<10	FALSE
II-10	4/30/2010	ND<10	FALSE
II-10	10/8/2010	ND<10	FALSE
II-10	5/11/2011	ND<10	FALSE
II-10	10/13/2011	ND<10	FALSE
II-10	4/19/2012	ND<10	FALSE

II-11	5/11/2005	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	4/12/2007	ND<10	FALSE
II-11	9/28/2007	ND<10	FALSE
II-11	4/30/2008	ND<10	FALSE
II-11	12/2/2008	ND<10	FALSE
II-11	2/13/2009	ND<10	FALSE
II-11	4/17/2009	ND<10	FALSE
II-11	10/16/2009	ND<10	FALSE
II-11	4/30/2010	ND<10	FALSE
II-11	10/8/2010	ND<10	FALSE
II-11	5/11/2011	ND<10	FALSE
II-11	10/13/2011	ND<10	FALSE
II-11	4/19/2012	ND<10	FALSE

II-12	5/11/2005	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	10/19/2006	ND<10	FALSE
II-12	4/12/2007	ND<10	FALSE
II-12	9/28/2007	ND<10	FALSE
II-12	4/30/2008	ND<10	FALSE
II-12	12/2/2008	ND<10	FALSE
II-12	2/13/2009	ND<10	FALSE
II-12	4/17/2009	4.9	FALSE
II-12	10/16/2009	ND<10	FALSE
II-12	4/30/2010	ND<10	FALSE
II-12	10/8/2010	ND<10	FALSE
II-12	5/11/2011	ND<10	FALSE
II-12	10/13/2011	ND<10	FALSE
II-12	4/19/2012	ND<10	FALSE

II-9	5/11/2005	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	4/12/2007	ND<10	FALSE
II-9	9/28/2007	ND<10	FALSE
II-9	4/30/2008	ND<10	FALSE
II-9	12/2/2008	ND<10	FALSE
II-9	2/13/2009	ND<10	FALSE
II-9	4/17/2009	ND<10	FALSE
II-9	10/16/2009	ND<10	FALSE
II-9	4/30/2010	ND<10	FALSE
II-9	10/8/2010	ND<10	FALSE
II-9	5/11/2011	ND<10	FALSE
II-9	10/13/2011	ND<10	FALSE
II-9	4/19/2012	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 67.1053%

Background measurements (n) = 78

Maximum Background Concentration = 1200

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	379	FALSE
II-1	7/6/1994	331	FALSE
II-1	9/9/1994	356	FALSE
II-1	3/17/1995	160	FALSE
II-1	7/11/1995	ND<500	FALSE
II-1	11/17/1995	558	FALSE
II-1	1/5/1996	ND<500	FALSE
II-1	9/25/1996	603	FALSE
II-1	3/26/1997	ND<500	FALSE
II-1	9/17/1997	ND<500	FALSE
II-1	5/5/1998	ND<500	FALSE
II-1	10/16/1998	1300	TRUE
II-1	3/26/1999	ND<500	FALSE
II-1	9/22/1999	ND<500	FALSE
II-1	3/27/2000	ND<500	FALSE
II-1	9/13/2000	ND<500	FALSE
II-1	3/12/2001	ND<500	FALSE
II-1	9/13/2001	ND<500	FALSE
II-1	3/7/2002	ND<500	FALSE
II-1	9/18/2002	ND<500	FALSE
II-1	4/15/2003	ND<500	FALSE
II-1	10/16/2003	ND<500	FALSE
II-1	3/24/2004	ND<500	FALSE
II-1	9/22/2004	ND<500	FALSE
II-1	2/17/2005	ND<500	FALSE
II-1	5/11/2005	ND<500	FALSE
II-1	10/11/2005	ND<500	FALSE
II-1	4/24/2006	ND<500	FALSE
II-1	4/24/2006	ND<500	FALSE
II-1	10/19/2006	ND<500	FALSE
II-1	4/12/2007	244	FALSE
II-1	9/28/2007	235	FALSE
II-1	4/30/2008	241	FALSE
II-1	12/2/2008	296	FALSE
II-1	2/13/2009	ND<500	FALSE
II-1	4/17/2009	245	FALSE
II-1	10/16/2009	41.2	FALSE
II-1	4/30/2010	309	FALSE
II-1	10/8/2010	225	FALSE
II-1	5/11/2011	415	FALSE
II-1	10/13/2011	429	FALSE
II-1	4/19/2012	329	FALSE

II-2	3/25/1994	28	FALSE
II-2	7/6/1994	72	FALSE
II-2	9/9/1994	107	FALSE
II-2	3/17/1995	ND<500	FALSE
II-2	7/11/1995	1000	FALSE
II-2	11/17/1995	ND<500	FALSE
II-2	1/5/1996	ND<500	FALSE
II-2	9/25/1996	ND<500	FALSE
II-2	3/26/1997	ND<500	FALSE
II-2	9/17/1997	ND<500	FALSE
II-2	5/5/1998	ND<500	FALSE
II-2	10/16/1998	ND<500	FALSE
II-2	3/26/1999	ND<500	FALSE
II-2	9/22/1999	ND<500	FALSE

II-2	3/27/2000	ND<500	FALSE
II-2	9/13/2000	ND<500	FALSE
II-2	3/12/2001	ND<500	FALSE
II-2	9/13/2001	ND<500	FALSE
II-2	3/7/2002	ND<500	FALSE
II-2	9/18/2002	ND<500	FALSE
II-2	4/15/2003	ND<500	FALSE
II-2	10/16/2003	ND<500	FALSE
II-2	3/24/2004	ND<500	FALSE
II-2	9/22/2004	ND<500	FALSE
II-2	2/17/2005	ND<500	FALSE
II-2	5/11/2005	ND<500	FALSE
II-2	10/11/2005	ND<500	FALSE
II-2	4/24/2006	ND<500	FALSE
II-2	4/24/2006	ND<500	FALSE
II-2	10/19/2006	ND<500	FALSE
II-2	4/12/2007	60.3	FALSE
II-2	9/28/2007	ND<500	FALSE
II-2	4/30/2008	50.4	FALSE
II-2	12/2/2008	46.2	FALSE
II-2	2/13/2009	ND<500	FALSE
II-2	4/17/2009	74.4	FALSE
II-2	10/16/2009	41.2	FALSE
II-2	4/30/2010	63.1	FALSE
II-2	10/8/2010	40.9	FALSE
II-2	5/11/2011	53.5	FALSE
II-2	10/13/2011	45.2	FALSE
II-2	4/19/2012	80.1	FALSE

II-3	3/25/1994	53	FALSE
II-3	7/6/1994	106	FALSE
II-3	9/9/1994	123	FALSE
II-3	3/17/1995	35	FALSE
II-3	7/11/1995	ND<500	FALSE
II-3	11/17/1995	ND<500	FALSE
II-3	1/5/1996	ND<500	FALSE
II-3	9/25/1996	ND<500	FALSE
II-3	3/26/1997	640	FALSE
II-3	9/17/1997	650	FALSE
II-3	5/5/1998	ND<500	FALSE
II-3	10/16/1998	ND<500	FALSE
II-3	3/26/1999	ND<500	FALSE
II-3	9/22/1999	ND<500	FALSE
II-3	3/27/2000	ND<500	FALSE
II-3	9/13/2000	ND<500	FALSE
II-3	3/12/2001	ND<500	FALSE
II-3	9/13/2001	ND<500	FALSE
II-3	3/7/2002	ND<500	FALSE
II-3	9/18/2002	ND<500	FALSE
II-3	4/15/2003	870	FALSE
II-3	10/16/2003	ND<500	FALSE
II-3	3/24/2004	ND<500	FALSE
II-3	9/22/2004	ND<500	FALSE
II-3	2/17/2005	600	FALSE
II-3	5/11/2005	ND<500	FALSE
II-3	10/11/2005	ND<500	FALSE
II-3	4/24/2006	ND<500	FALSE
II-3	4/24/2006	ND<500	FALSE
II-3	10/19/2006	ND<500	FALSE
II-3	4/12/2007	218	FALSE
II-3	9/28/2007	ND<500	FALSE
II-3	4/30/2008	244	FALSE
II-3	12/2/2008	194	FALSE
II-3	2/13/2009	ND<500	FALSE
II-3	4/17/2009	251	FALSE
II-3	10/16/2009	203	FALSE
II-3	4/30/2010	183	FALSE
II-3	10/8/2010	164	FALSE
II-3	5/11/2011	207	FALSE
II-3	10/13/2011	191	FALSE

II-3	4/19/2012	198	FALSE
II-4	3/25/1994	39	FALSE
II-4	7/6/1994	35	FALSE
II-4	9/9/1994	526	FALSE
II-4	3/17/1995	25	FALSE
II-4	7/11/1995	ND<500	FALSE
II-4	11/17/1995	ND<500	FALSE
II-4	1/5/1996	ND<500	FALSE
II-4	9/25/1996	ND<500	FALSE
II-4	3/26/1997	580	FALSE
II-4	9/17/1997	ND<500	FALSE
II-4	5/5/1998	620	FALSE
II-4	10/16/1998	ND<500	FALSE
II-4	3/26/1999	ND<500	FALSE
II-4	9/22/1999	ND<500	FALSE
II-4	3/27/2000	ND<500	FALSE
II-4	9/13/2000	ND<500	FALSE
II-4	3/12/2001	ND<500	FALSE
II-4	9/13/2001	ND<500	FALSE
II-4	3/7/2002	ND<500	FALSE
II-4	9/18/2002	ND<500	FALSE
II-4	4/15/2003	ND<500	FALSE
II-4	10/16/2003	ND<500	FALSE
II-4	3/24/2004	ND<500	FALSE
II-4	9/22/2004	ND<500	FALSE
II-4	5/11/2005	700	FALSE
II-4	10/11/2005	680	FALSE
II-4	4/24/2006	570	FALSE
II-4	4/24/2006	570	FALSE
II-4	10/19/2006	552	FALSE
II-4	4/12/2007	567	FALSE
II-4	9/28/2007	ND<500	FALSE
II-4	4/30/2008	2880	TRUE
II-4	12/2/2008	575	FALSE
II-4	2/13/2009	ND<500	FALSE
II-4	4/17/2009	170	FALSE
II-4	10/16/2009	485	FALSE
II-4	4/30/2010	469	FALSE
II-4	10/8/2010	431	FALSE
II-4	5/11/2011	389	FALSE
II-4	10/13/2011	339	FALSE
II-4	4/19/2012	1030	FALSE

II-5	3/25/1994	48	FALSE
II-5	7/6/1994	88	FALSE
II-5	9/9/1994	59	FALSE
II-5	3/17/1995	80	FALSE
II-5	7/11/1995	ND<500	FALSE
II-5	11/17/1995	ND<500	FALSE
II-5	1/5/1996	ND<500	FALSE
II-5	9/25/1996	ND<500	FALSE
II-5	3/26/1997	ND<500	FALSE
II-5	9/17/1997	ND<500	FALSE
II-5	5/5/1998	ND<500	FALSE
II-5	10/16/1998	ND<500	FALSE
II-5	3/26/1999	ND<500	FALSE
II-5	9/22/1999	ND<500	FALSE
II-5	3/27/2000	ND<500	FALSE
II-5	9/13/2000	ND<500	FALSE
II-5	3/12/2001	ND<500	FALSE
II-5	9/13/2001	ND<500	FALSE
II-5	3/7/2002	ND<500	FALSE
II-5	9/18/2002	ND<500	FALSE
II-5	4/15/2003	ND<500	FALSE
II-5	10/16/2003	ND<500	FALSE
II-5	3/24/2004	ND<500	FALSE
II-5	9/22/2004	ND<500	FALSE
II-5	5/11/2005	ND<500	FALSE

II-5	10/11/2005	ND<500	FALSE
II-5	4/24/2006	ND<500	FALSE
II-5	4/24/2006	ND<500	FALSE
II-5	10/19/2006	ND<500	FALSE
II-5	4/12/2007	131	FALSE
II-5	9/28/2007	ND<500	FALSE
II-5	4/30/2008	70.4	FALSE
II-5	12/2/2008	110	FALSE
II-5	2/13/2009	ND<500	FALSE
II-5	4/17/2009	71.6	FALSE
II-5	10/16/2009	124	FALSE
II-5	4/30/2010	89	FALSE
II-5	10/8/2010	114	FALSE
II-5	5/11/2011	91.4	FALSE
II-5	10/13/2011	106	FALSE
II-5	4/19/2012	89.6	FALSE

II-8	7/6/1994	18	FALSE
II-8	9/9/1994	60	FALSE
II-8	3/17/1995	19	FALSE
II-8	7/11/1995	ND<500	FALSE
II-8	11/17/1995	ND<500	FALSE
II-8	1/5/1996	ND<500	FALSE
II-8	9/25/1996	ND<500	FALSE
II-8	3/26/1997	ND<500	FALSE
II-8	9/17/1997	ND<500	FALSE
II-8	5/5/1998	ND<500	FALSE
II-8	10/16/1998	ND<500	FALSE
II-8	3/26/1999	ND<500	FALSE
II-8	9/22/1999	ND<500	FALSE
II-8	3/27/2000	ND<500	FALSE
II-8	9/13/2000	ND<500	FALSE
II-8	3/12/2001	ND<500	FALSE
II-8	9/13/2001	ND<500	FALSE
II-8	3/7/2002	ND<500	FALSE
II-8	9/18/2002	ND<500	FALSE
II-8	4/15/2003	ND<500	FALSE
II-8	10/16/2003	ND<500	FALSE
II-8	3/24/2004	ND<500	FALSE
II-8	9/22/2004	ND<500	FALSE
II-8	5/11/2005	ND<500	FALSE
II-8	10/11/2005	ND<500	FALSE
II-8	4/24/2006	ND<500	FALSE
II-8	4/24/2006	ND<500	FALSE
II-8	10/19/2006	ND<500	FALSE
II-8	4/12/2007	74.6	FALSE
II-8	9/28/2007	ND<500	FALSE
II-8	4/30/2008	79.7	FALSE
II-8	12/2/2008	86.8	FALSE
II-8	2/13/2009	ND<500	FALSE
II-8	4/17/2009	87.6	FALSE
II-8	10/16/2009	79.2	FALSE
II-8	4/30/2010	87.7	FALSE
II-8	10/8/2010	74.3	FALSE
II-8	5/11/2011	105	FALSE
II-8	10/13/2011	115	FALSE
II-8	4/19/2012	123	FALSE

I-5	9/9/1994	106	FALSE
I-5	3/17/1995	55	FALSE
I-5	7/11/1995	ND<500	FALSE
I-5	11/17/1995	ND<500	FALSE
I-5	1/5/1996	ND<500	FALSE
I-5	9/25/1996	ND<500	FALSE
I-5	3/26/1997	ND<500	FALSE
I-5	9/17/1997	ND<500	FALSE
I-5	5/5/1998	ND<500	FALSE
I-5	10/16/1998	ND<500	FALSE
I-5	3/26/1999	ND<500	FALSE

I-5	9/22/1999	ND<500	FALSE
I-5	3/27/2000	ND<500	FALSE
I-5	9/13/2000	ND<500	FALSE
I-5	3/12/2001	ND<500	FALSE
I-5	9/13/2001	ND<500	FALSE
I-5	3/7/2002	ND<500	FALSE
I-5	9/18/2002	ND<500	FALSE
I-5	4/15/2003	ND<500	FALSE
I-5	10/16/2003	ND<500	FALSE
I-5	3/24/2004	ND<500	FALSE
I-5	9/22/2004	ND<500	FALSE
I-5	5/11/2005	ND<500	FALSE
I-5	10/11/2005	ND<500	FALSE
I-5	4/24/2006	ND<500	FALSE
I-5	4/24/2006	ND<500	FALSE
I-5	10/19/2006	ND<500	FALSE
I-5	4/12/2007	83	FALSE
I-5	9/28/2007	ND<500	FALSE
I-5	4/30/2008	ND<500	FALSE
I-5	12/2/2008	ND<500	FALSE
I-5	2/13/2009	ND<500	FALSE
I-5	4/17/2009	ND<500	FALSE
I-5	10/16/2009	ND<500	FALSE
I-5	4/30/2010	ND<500	FALSE
I-5	10/8/2010	ND<500	FALSE
I-5	5/11/2011	ND<500	FALSE
I-5	10/13/2011	ND<500	FALSE
I-5	4/19/2012	ND<500	FALSE

II-6	3/17/1995	53	FALSE
II-6	7/11/1995	ND<500	FALSE
II-6	11/17/1995	ND<500	FALSE
II-6	1/5/1996	ND<500	FALSE
II-6	9/25/1996	ND<500	FALSE
II-6	3/26/1997	ND<500	FALSE
II-6	9/17/1997	500	FALSE
II-6	5/5/1998	ND<500	FALSE
II-6	10/16/1998	ND<500	FALSE
II-6	3/26/1999	ND<500	FALSE
II-6	9/22/1999	ND<500	FALSE
II-6	3/27/2000	ND<500	FALSE
II-6	9/13/2000	ND<500	FALSE
II-6	3/12/2001	ND<500	FALSE
II-6	9/13/2001	ND<500	FALSE
II-6	3/7/2002	ND<500	FALSE
II-6	9/18/2002	ND<500	FALSE
II-6	4/15/2003	ND<500	FALSE
II-6	10/16/2003	ND<500	FALSE
II-6	3/24/2004	ND<500	FALSE
II-6	9/22/2004	ND<500	FALSE
II-6	5/11/2005	ND<500	FALSE
II-6	10/11/2005	560	FALSE
II-6	4/24/2006	ND<500	FALSE
II-6	4/24/2006	ND<500	FALSE
II-6	10/19/2006	ND<500	FALSE
II-6	4/12/2007	292	FALSE
II-6	9/28/2007	ND<500	FALSE
II-6	4/30/2008	69.8	FALSE
II-6	12/2/2008	486	FALSE
II-6	2/13/2009	ND<500	FALSE
II-6	4/17/2009	37.1	FALSE
II-6	10/16/2009	410	FALSE
II-6	4/30/2010	339	FALSE
II-6	10/8/2010	356	FALSE
II-6	5/11/2011	104	FALSE
II-6	10/13/2011	431	FALSE
II-6	4/19/2012	105	FALSE

II-7	3/17/1995	65	FALSE
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II-7	7/11/1995	ND<500	FALSE
II-7	11/17/1995	ND<500	FALSE
II-7	1/5/1996	ND<500	FALSE
II-7	9/25/1996	ND<500	FALSE
II-7	3/26/1997	ND<500	FALSE
II-7	9/17/1997	ND<500	FALSE
II-7	5/5/1998	ND<500	FALSE
II-7	10/16/1998	ND<500	FALSE
II-7	3/26/1999	ND<500	FALSE
II-7	9/22/1999	ND<500	FALSE
II-7	3/27/2000	ND<500	FALSE
II-7	9/13/2000	ND<500	FALSE
II-7	3/12/2001	ND<500	FALSE
II-7	9/13/2001	ND<500	FALSE
II-7	3/7/2002	ND<500	FALSE
II-7	9/18/2002	ND<500	FALSE
II-7	4/15/2003	ND<500	FALSE
II-7	10/16/2003	ND<500	FALSE
II-7	3/24/2004	ND<500	FALSE
II-7	9/22/2004	ND<500	FALSE
II-7	2/17/2005	ND<500	FALSE
II-7	5/11/2005	ND<500	FALSE
II-7	10/11/2005	ND<500	FALSE
II-7	4/24/2006	ND<500	FALSE
II-7	4/24/2006	ND<500	FALSE
II-7	10/19/2006	ND<500	FALSE
II-7	4/12/2007	26.4	FALSE
II-7	9/28/2007	ND<500	FALSE
II-7	4/30/2008	7.1	FALSE
II-7	12/2/2008	17.9	FALSE
II-7	2/13/2009	ND<500	FALSE
II-7	4/17/2009	13.9	FALSE
II-7	10/16/2009	90.7	FALSE
II-7	4/30/2010	21.7	FALSE
II-7	10/8/2010	14.8	FALSE
II-7	5/11/2011	13.1	FALSE
II-7	10/13/2011	26.8	FALSE
II-7	4/19/2012	22.4	FALSE

II-7B	3/12/2001	ND<500	FALSE
II-7B	9/13/2001	ND<500	FALSE
II-7B	3/7/2002	ND<500	FALSE
II-7B	9/18/2002	ND<500	FALSE
II-7B	4/15/2003	ND<500	FALSE
II-7B	10/16/2003	ND<500	FALSE
II-7B	3/24/2004	ND<500	FALSE
II-7B	9/22/2004	ND<500	FALSE
II-7B	2/17/2005	ND<500	FALSE
II-7B	5/11/2005	ND<500	FALSE
II-7B	10/11/2005	ND<500	FALSE
II-7B	4/24/2006	ND<500	FALSE
II-7B	4/24/2006	ND<500	FALSE
II-7B	10/19/2006	ND<500	FALSE
II-7B	4/12/2007	16.5	FALSE
II-7B	9/28/2007	ND<500	FALSE
II-7B	4/30/2008	10.4	FALSE
II-7B	12/2/2008	11.1	FALSE
II-7B	2/13/2009	ND<500	FALSE
II-7B	4/17/2009	10.2	FALSE
II-7B	10/16/2009	10.2	FALSE
II-7B	4/30/2010	11.5	FALSE
II-7B	10/8/2010	9.15	FALSE
II-7B	5/11/2011	10.6	FALSE
II-7B	10/13/2011	9.5	FALSE
II-7B	4/19/2012	9.45	FALSE

II-10	5/11/2005	ND<500	FALSE
II-10	4/24/2006	ND<500	FALSE
II-10	4/24/2006	ND<500	FALSE

II-10	10/19/2006	ND<500	FALSE
II-10	4/12/2007	ND<500	FALSE
II-10	9/28/2007	ND<500	FALSE
II-10	4/30/2008	ND<500	FALSE
II-10	12/2/2008	ND<500	FALSE
II-10	2/13/2009	ND<500	FALSE
II-10	4/17/2009	ND<500	FALSE
II-10	10/16/2009	ND<500	FALSE
II-10	4/30/2010	ND<500	FALSE
II-10	10/8/2010	ND<500	FALSE
II-10	5/11/2011	ND<500	FALSE
II-10	10/13/2011	ND<500	FALSE
II-10	4/19/2012	ND<500	FALSE

II-11	5/11/2005	ND<500	FALSE
II-11	4/24/2006	ND<500	FALSE
II-11	4/24/2006	ND<500	FALSE
II-11	10/19/2006	ND<500	FALSE
II-11	4/12/2007	ND<500	FALSE
II-11	9/28/2007	ND<500	FALSE
II-11	4/30/2008	ND<500	FALSE
II-11	12/2/2008	ND<500	FALSE
II-11	2/13/2009	ND<500	FALSE
II-11	4/17/2009	ND<500	FALSE
II-11	10/16/2009	ND<500	FALSE
II-11	4/30/2010	ND<500	FALSE
II-11	10/8/2010	ND<500	FALSE
II-11	5/11/2011	ND<500	FALSE
II-11	10/13/2011	ND<500	FALSE
II-11	4/19/2012	ND<500	FALSE

II-12	5/11/2005	600	FALSE
II-12	4/24/2006	658	FALSE
II-12	4/24/2006	658	FALSE
II-12	10/19/2006	ND<500	FALSE
II-12	4/12/2007	ND<500	FALSE
II-12	9/28/2007	ND<500	FALSE
II-12	4/30/2008	532	FALSE
II-12	12/2/2008	878	FALSE
II-12	2/13/2009	ND<500	FALSE
II-12	4/17/2009	488	FALSE
II-12	10/16/2009	704	FALSE
II-12	4/30/2010	386	FALSE
II-12	10/8/2010	473	FALSE
II-12	5/11/2011	397	FALSE
II-12	10/13/2011	430	FALSE
II-12	4/19/2012	396	FALSE

II-9	5/11/2005	ND<500	FALSE
II-9	4/24/2006	ND<500	FALSE
II-9	4/24/2006	ND<500	FALSE
II-9	10/19/2006	ND<500	FALSE
II-9	4/12/2007	ND<500	FALSE
II-9	9/28/2007	ND<500	FALSE
II-9	4/30/2008	ND<500	FALSE
II-9	12/2/2008	ND<500	FALSE
II-9	2/13/2009	ND<500	FALSE
II-9	4/17/2009	ND<500	FALSE
II-9	10/16/2009	ND<500	FALSE
II-9	4/30/2010	ND<500	FALSE
II-9	10/8/2010	ND<500	FALSE
II-9	5/11/2011	ND<500	FALSE
II-9	10/13/2011	ND<500	FALSE
II-9	4/19/2012	ND<500	FALSE

Non-Parametric Tolerance Interval

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 72.3684%

Background measurements (n) = 78

Maximum Background Concentration = 16

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	51	TRUE
II-1	7/6/1994	36	TRUE
II-1	9/9/1994	36	TRUE
II-1	3/17/1995	ND<10	FALSE
II-1	7/11/1995	51	TRUE
II-1	11/17/1995	60	TRUE
II-1	1/5/1996	29	TRUE
II-1	9/25/1996	33	TRUE
II-1	3/26/1997	23	TRUE
II-1	9/17/1997	19	TRUE
II-1	5/5/1998	33	TRUE
II-1	10/16/1998	210	TRUE
II-1	3/26/1999	47	TRUE
II-1	9/22/1999	20	TRUE
II-1	3/27/2000	54	TRUE
II-1	9/13/2000	21	TRUE
II-1	3/12/2001	32	TRUE
II-1	9/13/2001	ND<10	FALSE
II-1	3/7/2002	ND<10	FALSE
II-1	9/18/2002	ND<10	FALSE
II-1	4/15/2003	ND<10	FALSE
II-1	10/16/2003	ND<10	FALSE
II-1	3/24/2004	ND<10	FALSE
II-1	9/22/2004	ND<10	FALSE
II-1	2/17/2005	ND<10	FALSE
II-1	5/11/2005	ND<10	FALSE
II-1	10/11/2005	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	10/19/2006	ND<10	FALSE
II-1	4/12/2007	ND<10	FALSE
II-1	9/28/2007	ND<10	FALSE
II-1	4/30/2008	ND<10	FALSE
II-1	12/2/2008	ND<10	FALSE
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	2.4	FALSE
II-1	10/16/2009	3.69	FALSE
II-1	4/30/2010	2.4	FALSE
II-1	10/8/2010	ND<10	FALSE
II-1	5/11/2011	4.93	FALSE
II-1	10/13/2011	6.87	FALSE
II-1	4/19/2012	6.8	FALSE

II-2	3/25/1994	13	FALSE
II-2	7/6/1994	23	TRUE
II-2	9/9/1994	32	TRUE
II-2	3/17/1995	ND<10	FALSE
II-2	7/11/1995	29	TRUE
II-2	11/17/1995	13	FALSE
II-2	1/5/1996	18	TRUE
II-2	9/25/1996	36	TRUE
II-2	3/26/1997	20	TRUE
II-2	9/17/1997	53	TRUE
II-2	5/5/1998	ND<10	FALSE
II-2	10/16/1998	ND<10	FALSE
II-2	3/26/1999	ND<10	FALSE
II-2	9/22/1999	ND<10	FALSE

II-2	3/27/2000	ND<10	FALSE
II-2	9/13/2000	ND<10	FALSE
II-2	3/12/2001	ND<10	FALSE
II-2	9/13/2001	ND<10	FALSE
II-2	3/7/2002	ND<10	FALSE
II-2	9/18/2002	ND<10	FALSE
II-2	4/15/2003	ND<10	FALSE
II-2	10/16/2003	ND<10	FALSE
II-2	3/24/2004	ND<10	FALSE
II-2	9/22/2004	ND<10	FALSE
II-2	2/17/2005	ND<10	FALSE
II-2	5/11/2005	ND<10	FALSE
II-2	10/11/2005	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	4/12/2007	ND<10	FALSE
II-2	9/28/2007	ND<10	FALSE
II-2	4/30/2008	ND<10	FALSE
II-2	12/2/2008	ND<10	FALSE
II-2	2/13/2009	ND<10	FALSE
II-2	4/17/2009	1.9	FALSE
II-2	10/16/2009	ND<10	FALSE
II-2	4/30/2010	ND<10	FALSE
II-2	10/8/2010	ND<10	FALSE
II-2	5/11/2011	ND<10	FALSE
II-2	10/13/2011	1.64	FALSE
II-2	4/19/2012	2.15	FALSE

II-3	3/25/1994	20	TRUE
II-3	7/6/1994	15	FALSE
II-3	9/9/1994	20	TRUE
II-3	3/17/1995	ND<10	FALSE
II-3	7/11/1995	38	TRUE
II-3	11/17/1995	13	FALSE
II-3	1/5/1996	13	FALSE
II-3	9/25/1996	32	TRUE
II-3	3/26/1997	59	TRUE
II-3	9/17/1997	61	TRUE
II-3	5/5/1998	ND<10	FALSE
II-3	10/16/1998	ND<10	FALSE
II-3	3/26/1999	ND<10	FALSE
II-3	9/22/1999	ND<10	FALSE
II-3	3/27/2000	ND<10	FALSE
II-3	9/13/2000	ND<10	FALSE
II-3	3/12/2001	ND<10	FALSE
II-3	9/13/2001	ND<10	FALSE
II-3	3/7/2002	ND<10	FALSE
II-3	9/18/2002	ND<10	FALSE
II-3	4/15/2003	ND<10	FALSE
II-3	10/16/2003	ND<10	FALSE
II-3	3/24/2004	16	FALSE
II-3	9/22/2004	ND<10	FALSE
II-3	2/17/2005	ND<10	FALSE
II-3	5/11/2005	ND<10	FALSE
II-3	10/11/2005	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	10/19/2006	ND<10	FALSE
II-3	4/12/2007	ND<10	FALSE
II-3	9/28/2007	ND<10	FALSE
II-3	4/30/2008	ND<10	FALSE
II-3	12/2/2008	ND<10	FALSE
II-3	2/13/2009	ND<10	FALSE
II-3	4/17/2009	3.6	FALSE
II-3	10/16/2009	2.29	FALSE
II-3	4/30/2010	2.24	FALSE
II-3	10/8/2010	1.67	FALSE
II-3	5/11/2011	1.87	FALSE
II-3	10/13/2011	2.22	FALSE

II-3	4/19/2012	3.16	FALSE
II-4	3/25/1994	9	FALSE
II-4	7/6/1994	3	FALSE
II-4	9/9/1994	28	TRUE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	75	TRUE
II-4	11/17/1995	ND<10	FALSE
II-4	1/5/1996	ND<10	FALSE
II-4	9/25/1996	ND<10	FALSE
II-4	3/26/1997	12	FALSE
II-4	9/17/1997	14	FALSE
II-4	5/5/1998	11	FALSE
II-4	10/16/1998	ND<10	FALSE
II-4	3/26/1999	ND<10	FALSE
II-4	9/22/1999	ND<10	FALSE
II-4	3/27/2000	13	FALSE
II-4	9/13/2000	ND<10	FALSE
II-4	3/12/2001	ND<10	FALSE
II-4	9/13/2001	ND<10	FALSE
II-4	3/7/2002	ND<10	FALSE
II-4	9/18/2002	ND<10	FALSE
II-4	4/15/2003	ND<10	FALSE
II-4	10/16/2003	ND<10	FALSE
II-4	3/24/2004	ND<10	FALSE
II-4	9/22/2004	ND<10	FALSE
II-4	5/11/2005	ND<10	FALSE
II-4	10/11/2005	ND<10	FALSE
II-4	4/24/2006	ND<10	FALSE
II-4	4/24/2006	ND<10	FALSE
II-4	10/19/2006	16.3	TRUE
II-4	4/12/2007	5.9	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	4/30/2008	68.7	TRUE
II-4	12/2/2008	12.2	FALSE
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	9.4	FALSE
II-4	10/16/2009	14.2	FALSE
II-4	4/30/2010	15.1	FALSE
II-4	10/8/2010	20.3	TRUE
II-4	5/11/2011	1.67	FALSE
II-4	10/13/2011	14.2	FALSE
II-4	4/19/2012	42.4	TRUE
II-5	3/25/1994	14	FALSE
II-5	7/6/1994	22	TRUE
II-5	9/9/1994	13	FALSE
II-5	3/17/1995	ND<10	FALSE
II-5	7/11/1995	25	TRUE
II-5	11/17/1995	11	FALSE
II-5	1/5/1996	29	TRUE
II-5	9/25/1996	41	TRUE
II-5	3/26/1997	45	TRUE
II-5	9/17/1997	42	TRUE
II-5	5/5/1998	ND<10	FALSE
II-5	10/16/1998	ND<10	FALSE
II-5	3/26/1999	ND<10	FALSE
II-5	9/22/1999	ND<10	FALSE
II-5	3/27/2000	12	FALSE
II-5	9/13/2000	ND<10	FALSE
II-5	3/12/2001	ND<10	FALSE
II-5	9/13/2001	ND<10	FALSE
II-5	3/7/2002	ND<10	FALSE
II-5	9/18/2002	ND<10	FALSE
II-5	4/15/2003	ND<10	FALSE
II-5	10/16/2003	ND<10	FALSE
II-5	3/24/2004	ND<10	FALSE
II-5	9/22/2004	ND<10	FALSE
II-5	5/11/2005	ND<10	FALSE

II-5	10/11/2005	ND<10	FALSE
II-5	4/24/2006	ND<10	FALSE
II-5	4/24/2006	ND<10	FALSE
II-5	10/19/2006	ND<10	FALSE
II-5	4/12/2007	ND<10	FALSE
II-5	9/28/2007	ND<10	FALSE
II-5	4/30/2008	ND<10	FALSE
II-5	12/2/2008	ND<10	FALSE
II-5	2/13/2009	ND<10	FALSE
II-5	4/17/2009	2.8	FALSE
II-5	10/16/2009	1.51	FALSE
II-5	4/30/2010	1.93	FALSE
II-5	10/8/2010	ND<10	FALSE
II-5	5/11/2011	ND<10	FALSE
II-5	10/13/2011	3.01	FALSE
II-5	4/19/2012	2.42	FALSE

II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	ND<10	FALSE
II-8	3/17/1995	6	FALSE
II-8	7/11/1995	ND<10	FALSE
II-8	11/17/1995	ND<10	FALSE
II-8	1/5/1996	ND<10	FALSE
II-8	9/25/1996	ND<10	FALSE
II-8	3/26/1997	12	FALSE
II-8	9/17/1997	ND<10	FALSE
II-8	5/5/1998	ND<10	FALSE
II-8	10/16/1998	ND<10	FALSE
II-8	3/26/1999	ND<10	FALSE
II-8	9/22/1999	ND<10	FALSE
II-8	3/27/2000	ND<10	FALSE
II-8	9/13/2000	ND<10	FALSE
II-8	3/12/2001	ND<10	FALSE
II-8	9/13/2001	ND<10	FALSE
II-8	3/7/2002	ND<10	FALSE
II-8	9/18/2002	ND<10	FALSE
II-8	4/15/2003	ND<10	FALSE
II-8	10/16/2003	ND<10	FALSE
II-8	3/24/2004	ND<10	FALSE
II-8	9/22/2004	ND<10	FALSE
II-8	5/11/2005	ND<10	FALSE
II-8	10/11/2005	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	4/12/2007	ND<10	FALSE
II-8	9/28/2007	ND<10	FALSE
II-8	4/30/2008	ND<10	FALSE
II-8	12/2/2008	ND<10	FALSE
II-8	2/13/2009	ND<10	FALSE
II-8	4/17/2009	1.6	FALSE
II-8	10/16/2009	ND<10	FALSE
II-8	4/30/2010	ND<10	FALSE
II-8	10/8/2010	ND<10	FALSE
II-8	5/11/2011	1.42	FALSE
II-8	10/13/2011	3.17	FALSE
II-8	4/19/2012	2.71	FALSE

I-5	9/9/1994	30	TRUE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	260	TRUE
I-5	11/17/1995	118	TRUE
I-5	1/5/1996	61	TRUE
I-5	9/25/1996	48	TRUE
I-5	3/26/1997	94	TRUE
I-5	9/17/1997	140	TRUE
I-5	5/5/1998	ND<10	FALSE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	11	FALSE

I-5	9/22/1999	ND<10	FALSE
I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	11	FALSE
I-5	3/12/2001	ND<10	FALSE
I-5	9/13/2001	14	FALSE
I-5	3/7/2002	ND<10	FALSE
I-5	9/18/2002	ND<10	FALSE
I-5	4/15/2003	ND<10	FALSE
I-5	10/16/2003	ND<10	FALSE
I-5	3/24/2004	13	FALSE
I-5	9/22/2004	ND<10	FALSE
I-5	5/11/2005	ND<10	FALSE
I-5	10/11/2005	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	4/12/2007	ND<10	FALSE
I-5	9/28/2007	23.7	TRUE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
I-5	4/30/2010	ND<10	FALSE
I-5	10/8/2010	ND<10	FALSE
I-5	5/11/2011	ND<10	FALSE
I-5	10/13/2011	ND<10	FALSE
I-5	4/19/2012	ND<10	FALSE

II-6	3/17/1995	ND<10	FALSE
II-6	7/11/1995	41	TRUE
II-6	11/17/1995	ND<10	FALSE
II-6	1/5/1996	17	TRUE
II-6	9/25/1996	23	TRUE
II-6	3/26/1997	32	TRUE
II-6	9/17/1997	25	TRUE
II-6	5/5/1998	ND<10	FALSE
II-6	10/16/1998	ND<10	FALSE
II-6	3/26/1999	ND<10	FALSE
II-6	9/22/1999	ND<10	FALSE
II-6	3/27/2000	ND<10	FALSE
II-6	9/13/2000	ND<10	FALSE
II-6	3/12/2001	ND<10	FALSE
II-6	9/13/2001	10	FALSE
II-6	3/7/2002	ND<10	FALSE
II-6	9/18/2002	ND<10	FALSE
II-6	4/15/2003	ND<10	FALSE
II-6	10/16/2003	ND<10	FALSE
II-6	3/24/2004	ND<10	FALSE
II-6	9/22/2004	ND<10	FALSE
II-6	5/11/2005	ND<10	FALSE
II-6	10/11/2005	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
II-6	10/19/2006	ND<10	FALSE
II-6	4/12/2007	ND<10	FALSE
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	6.7	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	0.7	FALSE
II-6	10/16/2009	3.77	FALSE
II-6	4/30/2010	ND<10	FALSE
II-6	10/8/2010	ND<10	FALSE
II-6	5/11/2011	ND<10	FALSE
II-6	10/13/2011	6.47	FALSE
II-6	4/19/2012	1.22	FALSE

II-7 3/17/1995 20 TRUE

II-7	7/11/1995	28	TRUE
II-7	11/17/1995	ND<10	FALSE
II-7	1/5/1996	ND<10	FALSE
II-7	9/25/1996	ND<10	FALSE
II-7	3/26/1997	12	FALSE
II-7	9/17/1997	ND<10	FALSE
II-7	5/5/1998	ND<10	FALSE
II-7	10/16/1998	ND<10	FALSE
II-7	3/26/1999	ND<10	FALSE
II-7	9/22/1999	ND<10	FALSE
II-7	3/27/2000	ND<10	FALSE
II-7	9/13/2000	ND<10	FALSE
II-7	3/12/2001	ND<10	FALSE
II-7	9/13/2001	ND<10	FALSE
II-7	3/7/2002	ND<10	FALSE
II-7	9/18/2002	ND<10	FALSE
II-7	4/15/2003	ND<10	FALSE
II-7	10/16/2003	ND<10	FALSE
II-7	3/24/2004	ND<10	FALSE
II-7	9/22/2004	ND<10	FALSE
II-7	2/17/2005	ND<10	FALSE
II-7	5/11/2005	ND<10	FALSE
II-7	10/11/2005	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	4/12/2007	ND<10	FALSE
II-7	9/28/2007	ND<10	FALSE
II-7	4/30/2008	ND<10	FALSE
II-7	12/2/2008	ND<10	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	0.9	FALSE
II-7	10/16/2009	5.25	FALSE
II-7	4/30/2010	1.05	FALSE
II-7	10/8/2010	ND<10	FALSE
II-7	5/11/2011	1.04	FALSE
II-7	10/13/2011	1.31	FALSE
II-7	4/19/2012	1.12	FALSE

II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	0.8	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-7B	4/30/2010	ND<10	FALSE
II-7B	10/8/2010	1.45	FALSE
II-7B	5/11/2011	ND<10	FALSE
II-7B	10/13/2011	ND<10	FALSE
II-7B	4/19/2012	ND<10	FALSE

II-10	5/11/2005	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE

II-10	10/19/2006	ND<10	FALSE
II-10	4/12/2007	ND<10	FALSE
II-10	9/28/2007	ND<10	FALSE
II-10	4/30/2008	ND<10	FALSE
II-10	12/2/2008	ND<10	FALSE
II-10	2/13/2009	ND<10	FALSE
II-10	4/17/2009	ND<10	FALSE
II-10	10/16/2009	ND<10	FALSE
II-10	4/30/2010	ND<10	FALSE
II-10	10/8/2010	ND<10	FALSE
II-10	5/11/2011	ND<10	FALSE
II-10	10/13/2011	ND<10	FALSE
II-10	4/19/2012	ND<10	FALSE
<hr/>			
II-11	5/11/2005	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	4/12/2007	ND<10	FALSE
II-11	9/28/2007	ND<10	FALSE
II-11	4/30/2008	ND<10	FALSE
II-11	12/2/2008	ND<10	FALSE
II-11	2/13/2009	ND<10	FALSE
II-11	4/17/2009	ND<10	FALSE
II-11	10/16/2009	ND<10	FALSE
II-11	4/30/2010	ND<10	FALSE
II-11	10/8/2010	ND<10	FALSE
II-11	5/11/2011	ND<10	FALSE
II-11	10/13/2011	ND<10	FALSE
II-11	4/19/2012	ND<10	FALSE
<hr/>			
II-12	5/11/2005	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	10/19/2006	ND<10	FALSE
II-12	4/12/2007	ND<10	FALSE
II-12	9/28/2007	ND<10	FALSE
II-12	4/30/2008	ND<10	FALSE
II-12	12/2/2008	ND<10	FALSE
II-12	2/13/2009	ND<10	FALSE
II-12	4/17/2009	24.7	TRUE
II-12	10/16/2009	5.32	FALSE
II-12	4/30/2010	ND<10	FALSE
II-12	10/8/2010	ND<10	FALSE
II-12	5/11/2011	1.17	FALSE
II-12	10/13/2011	2.19	FALSE
II-12	4/19/2012	1.62	FALSE
<hr/>			
II-9	5/11/2005	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	4/12/2007	ND<10	FALSE
II-9	9/28/2007	ND<10	FALSE
II-9	4/30/2008	ND<10	FALSE
II-9	12/2/2008	ND<10	FALSE
II-9	2/13/2009	ND<10	FALSE
II-9	4/17/2009	ND<10	FALSE
II-9	10/16/2009	ND<10	FALSE
II-9	4/30/2010	ND<10	FALSE
II-9	10/8/2010	ND<10	FALSE
II-9	5/11/2011	ND<10	FALSE
II-9	10/13/2011	ND<10	FALSE
II-9	4/19/2012	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 57.8947%

Background measurements (n) = 78

Maximum Background Concentration = 16

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	129	TRUE
II-1	7/6/1994	49	TRUE
II-1	9/9/1994	65	TRUE
II-1	3/17/1995	40	TRUE
II-1	7/11/1995	74	TRUE
II-1	11/17/1995	61	TRUE
II-1	1/5/1996	55	TRUE
II-1	9/25/1996	63	TRUE
II-1	3/26/1997	52	TRUE
II-1	9/17/1997	71	TRUE
II-1	5/5/1998	37	TRUE
II-1	10/16/1998	160	TRUE
II-1	3/26/1999	36	TRUE
II-1	9/22/1999	18	TRUE
II-1	3/27/2000	29	TRUE
II-1	9/13/2000	41	TRUE
II-1	3/12/2001	19	TRUE
II-1	9/13/2001	46	TRUE
II-1	3/7/2002	10	FALSE
II-1	9/18/2002	29	TRUE
II-1	4/15/2003	ND<10	FALSE
II-1	10/16/2003	13	FALSE
II-1	3/24/2004	28	TRUE
II-1	9/22/2004	17	TRUE
II-1	2/17/2005	ND<10	FALSE
II-1	5/11/2005	24	TRUE
II-1	10/11/2005	60	TRUE
II-1	4/24/2006	50.5	TRUE
II-1	4/24/2006	50.5	TRUE
II-1	10/19/2006	72.3	TRUE
II-1	4/12/2007	10.9	FALSE
II-1	9/28/2007	62	TRUE
II-1	4/30/2008	4.3	FALSE
II-1	12/2/2008	51.4	TRUE
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	11.2	FALSE
II-1	10/16/2009	36.5	TRUE
II-1	4/30/2010	26.4	TRUE
II-1	10/8/2010	35.8	TRUE
II-1	5/11/2011	22.4	TRUE
II-1	10/13/2011	59.4	TRUE
II-1	4/19/2012	23.1	TRUE

II-2	3/25/1994	3	FALSE
II-2	7/6/1994	7	FALSE
II-2	9/9/1994	11	FALSE
II-2	3/17/1995	ND<10	FALSE
II-2	7/11/1995	33	TRUE
II-2	11/17/1995	ND<10	FALSE
II-2	1/5/1996	ND<10	FALSE
II-2	9/25/1996	11	FALSE
II-2	3/26/1997	ND<10	FALSE
II-2	9/17/1997	34	TRUE
II-2	5/5/1998	ND<10	FALSE
II-2	10/16/1998	ND<10	FALSE
II-2	3/26/1999	ND<10	FALSE
II-2	9/22/1999	ND<10	FALSE

II-2	3/27/2000	ND<10	FALSE
II-2	9/13/2000	ND<10	FALSE
II-2	3/12/2001	ND<10	FALSE
II-2	9/13/2001	ND<10	FALSE
II-2	3/7/2002	ND<10	FALSE
II-2	9/18/2002	ND<10	FALSE
II-2	4/15/2003	14	FALSE
II-2	10/16/2003	ND<10	FALSE
II-2	3/24/2004	ND<10	FALSE
II-2	9/22/2004	ND<10	FALSE
II-2	2/17/2005	ND<10	FALSE
II-2	5/11/2005	ND<10	FALSE
II-2	10/11/2005	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	4/12/2007	ND<10	FALSE
II-2	9/28/2007	ND<10	FALSE
II-2	4/30/2008	ND<10	FALSE
II-2	12/2/2008	ND<10	FALSE
II-2	2/13/2009	ND<10	FALSE
II-2	4/17/2009	ND<10	FALSE
II-2	10/16/2009	ND<10	FALSE
II-2	4/30/2010	ND<10	FALSE
II-2	10/8/2010	ND<10	FALSE
II-2	5/11/2011	ND<10	FALSE
II-2	10/13/2011	ND<10	FALSE
II-2	4/19/2012	ND<10	FALSE

II-3	3/25/1994	20	TRUE
II-3	7/6/1994	13	FALSE
II-3	9/9/1994	11	FALSE
II-3	3/17/1995	ND<10	FALSE
II-3	7/11/1995	31	TRUE
II-3	11/17/1995	ND<10	FALSE
II-3	1/5/1996	13	FALSE
II-3	9/25/1996	34	TRUE
II-3	3/26/1997	71	TRUE
II-3	9/17/1997	97	TRUE
II-3	5/5/1998	ND<10	FALSE
II-3	10/16/1998	11	FALSE
II-3	3/26/1999	13	FALSE
II-3	9/22/1999	10	FALSE
II-3	3/27/2000	45	TRUE
II-3	9/13/2000	14	FALSE
II-3	3/12/2001	34	TRUE
II-3	9/13/2001	28	TRUE
II-3	3/7/2002	18	TRUE
II-3	9/18/2002	10	FALSE
II-3	4/15/2003	61	TRUE
II-3	10/16/2003	39	TRUE
II-3	3/24/2004	72	TRUE
II-3	9/22/2004	25	TRUE
II-3	2/17/2005	48	TRUE
II-3	5/11/2005	40	TRUE
II-3	10/11/2005	23	TRUE
II-3	4/24/2006	29	TRUE
II-3	4/24/2006	29	TRUE
II-3	10/19/2006	31.8	TRUE
II-3	4/12/2007	28.8	TRUE
II-3	9/28/2007	ND<10	FALSE
II-3	4/30/2008	26	TRUE
II-3	12/2/2008	25.1	TRUE
II-3	2/13/2009	ND<10	FALSE
II-3	4/17/2009	21.6	TRUE
II-3	10/16/2009	25.2	TRUE
II-3	4/30/2010	23	TRUE
II-3	10/8/2010	16.1	TRUE
II-3	5/11/2011	21.2	TRUE
II-3	10/13/2011	18.5	TRUE

II-3	4/19/2012	14.1	FALSE
II-4	3/25/1994	4	FALSE
II-4	7/6/1994	ND<10	FALSE
II-4	9/9/1994	19	TRUE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	23	TRUE
II-4	11/17/1995	ND<10	FALSE
II-4	1/5/1996	ND<10	FALSE
II-4	9/25/1996	ND<10	FALSE
II-4	3/26/1997	33	TRUE
II-4	9/17/1997	32	TRUE
II-4	5/5/1998	24	TRUE
II-4	10/16/1998	ND<10	FALSE
II-4	3/26/1999	13	FALSE
II-4	9/22/1999	10	FALSE
II-4	3/27/2000	18	TRUE
II-4	9/13/2000	ND<10	FALSE
II-4	3/12/2001	ND<10	FALSE
II-4	9/13/2001	ND<10	FALSE
II-4	3/7/2002	ND<10	FALSE
II-4	9/18/2002	ND<10	FALSE
II-4	4/15/2003	ND<10	FALSE
II-4	10/16/2003	ND<10	FALSE
II-4	3/24/2004	12	FALSE
II-4	9/22/2004	ND<10	FALSE
II-4	5/11/2005	17	TRUE
II-4	10/11/2005	20	TRUE
II-4	4/24/2006	16.5	TRUE
II-4	4/24/2006	16.5	TRUE
II-4	10/19/2006	16.4	TRUE
II-4	4/12/2007	15.2	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	4/30/2008	92.5	TRUE
II-4	12/2/2008	16.3	TRUE
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	3	FALSE
II-4	10/16/2009	14.7	FALSE
II-4	4/30/2010	15.8	FALSE
II-4	10/8/2010	19	TRUE
II-4	5/11/2011	9.26	FALSE
II-4	10/13/2011	10.5	FALSE
II-4	4/19/2012	37.5	TRUE

II-5	3/25/1994	19	TRUE
II-5	7/6/1994	10	FALSE
II-5	9/9/1994	9	FALSE
II-5	3/17/1995	8	FALSE
II-5	7/11/1995	11	FALSE
II-5	11/17/1995	ND<10	FALSE
II-5	1/5/1996	11	FALSE
II-5	9/25/1996	13	FALSE
II-5	3/26/1997	ND<10	FALSE
II-5	9/17/1997	35	TRUE
II-5	5/5/1998	ND<10	FALSE
II-5	10/16/1998	ND<10	FALSE
II-5	3/26/1999	18	TRUE
II-5	9/22/1999	ND<10	FALSE
II-5	3/27/2000	46	TRUE
II-5	9/13/2000	ND<10	FALSE
II-5	3/12/2001	ND<10	FALSE
II-5	9/13/2001	11	FALSE
II-5	3/7/2002	1.2	FALSE
II-5	9/18/2002	ND<10	FALSE
II-5	4/15/2003	ND<10	FALSE
II-5	10/16/2003	13	FALSE
II-5	3/24/2004	15	FALSE
II-5	9/22/2004	11	FALSE
II-5	5/11/2005	ND<10	FALSE

II-5	10/11/2005	13	FALSE
II-5	4/24/2006	12.5	FALSE
II-5	4/24/2006	12.5	FALSE
II-5	10/19/2006	12.8	FALSE
II-5	4/12/2007	12.3	FALSE
II-5	9/28/2007	ND<10	FALSE
II-5	4/30/2008	2.1	FALSE
II-5	12/2/2008	4.4	FALSE
II-5	2/13/2009	ND<10	FALSE
II-5	4/17/2009	4.1	FALSE
II-5	10/16/2009	20.1	TRUE
II-5	4/30/2010	32.3	TRUE
II-5	10/8/2010	23.2	TRUE
II-5	5/11/2011	5.86	FALSE
II-5	10/13/2011	9.65	FALSE
II-5	4/19/2012	7.28	FALSE

II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	6	FALSE
II-8	3/17/1995	ND<10	FALSE
II-8	7/11/1995	ND<10	FALSE
II-8	11/17/1995	ND<10	FALSE
II-8	1/5/1996	11	FALSE
II-8	9/25/1996	ND<10	FALSE
II-8	3/26/1997	93	TRUE
II-8	9/17/1997	69	TRUE
II-8	5/5/1998	ND<10	FALSE
II-8	10/16/1998	10	FALSE
II-8	3/26/1999	ND<10	FALSE
II-8	9/22/1999	ND<10	FALSE
II-8	3/27/2000	ND<10	FALSE
II-8	9/13/2000	ND<10	FALSE
II-8	3/12/2001	ND<10	FALSE
II-8	9/13/2001	ND<10	FALSE
II-8	3/7/2002	ND<10	FALSE
II-8	9/18/2002	ND<10	FALSE
II-8	4/15/2003	ND<10	FALSE
II-8	10/16/2003	ND<10	FALSE
II-8	3/24/2004	ND<10	FALSE
II-8	9/22/2004	ND<10	FALSE
II-8	5/11/2005	ND<10	FALSE
II-8	10/11/2005	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	4/12/2007	ND<10	FALSE
II-8	9/28/2007	ND<10	FALSE
II-8	4/30/2008	ND<10	FALSE
II-8	12/2/2008	ND<10	FALSE
II-8	2/13/2009	ND<10	FALSE
II-8	4/17/2009	ND<10	FALSE
II-8	10/16/2009	ND<10	FALSE
II-8	4/30/2010	1.46	FALSE
II-8	10/8/2010	ND<10	FALSE
II-8	5/11/2011	ND<10	FALSE
II-8	10/13/2011	1.88	FALSE
II-8	4/19/2012	1.77	FALSE

I-5	9/9/1994	31	TRUE
I-5	3/17/1995	7	FALSE
I-5	7/11/1995	83	TRUE
I-5	11/17/1995	ND<10	FALSE
I-5	1/5/1996	24	TRUE
I-5	9/25/1996	30	TRUE
I-5	3/26/1997	ND<10	FALSE
I-5	9/17/1997	81	TRUE
I-5	5/5/1998	23	TRUE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	32	TRUE

I-5	9/22/1999	47	TRUE
I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	47	TRUE
I-5	3/12/2001	70	TRUE
I-5	9/13/2001	32	TRUE
I-5	3/7/2002	50	TRUE
I-5	9/18/2002	26	TRUE
I-5	4/15/2003	33	TRUE
I-5	10/16/2003	50	TRUE
I-5	3/24/2004	66	TRUE
I-5	9/22/2004	36	TRUE
I-5	5/11/2005	46	TRUE
I-5	10/11/2005	28	TRUE
I-5	4/24/2006	35.7	TRUE
I-5	4/24/2006	35.7	TRUE
I-5	10/19/2006	40.5	TRUE
I-5	4/12/2007	38.2	TRUE
I-5	9/28/2007	30.1	TRUE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
I-5	4/30/2010	ND<10	FALSE
I-5	10/8/2010	ND<10	FALSE
I-5	5/11/2011	ND<10	FALSE
I-5	10/13/2011	ND<10	FALSE
I-5	4/19/2012	ND<10	FALSE

II-6	3/17/1995	7	FALSE
II-6	7/11/1995	51	TRUE
II-6	11/17/1995	ND<10	FALSE
II-6	1/5/1996	34	TRUE
II-6	9/25/1996	37	TRUE
II-6	3/26/1997	56	TRUE
II-6	9/17/1997	84	TRUE
II-6	5/5/1998	25	TRUE
II-6	10/16/1998	33	TRUE
II-6	3/26/1999	27	TRUE
II-6	9/22/1999	13	FALSE
II-6	3/27/2000	ND<10	FALSE
II-6	9/13/2000	12	FALSE
II-6	3/12/2001	ND<10	FALSE
II-6	9/13/2001	39	TRUE
II-6	3/7/2002	15	FALSE
II-6	9/18/2002	36	TRUE
II-6	4/15/2003	ND<10	FALSE
II-6	10/16/2003	29	TRUE
II-6	3/24/2004	20	TRUE
II-6	9/22/2004	15	FALSE
II-6	5/11/2005	25	TRUE
II-6	10/11/2005	48	TRUE
II-6	4/24/2006	28.1	TRUE
II-6	4/24/2006	28.1	TRUE
II-6	10/19/2006	42.7	TRUE
II-6	4/12/2007	24.5	TRUE
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	5.3	FALSE
II-6	12/2/2008	42.4	TRUE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	1.1	FALSE
II-6	10/16/2009	34.5	TRUE
II-6	4/30/2010	25.8	TRUE
II-6	10/8/2010	27.7	TRUE
II-6	5/11/2011	4.91	FALSE
II-6	10/13/2011	40.7	TRUE
II-6	4/19/2012	6.23	FALSE

II-7	3/17/1995	ND<10	FALSE
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II-7	7/11/1995	12	FALSE
II-7	11/17/1995	ND<10	FALSE
II-7	1/5/1996	ND<10	FALSE
II-7	9/25/1996	ND<10	FALSE
II-7	3/26/1997	ND<10	FALSE
II-7	9/17/1997	ND<10	FALSE
II-7	5/5/1998	ND<10	FALSE
II-7	10/16/1998	ND<10	FALSE
II-7	3/26/1999	ND<10	FALSE
II-7	9/22/1999	ND<10	FALSE
II-7	3/27/2000	ND<10	FALSE
II-7	9/13/2000	ND<10	FALSE
II-7	3/12/2001	ND<10	FALSE
II-7	9/13/2001	ND<10	FALSE
II-7	3/7/2002	ND<10	FALSE
II-7	9/18/2002	ND<10	FALSE
II-7	4/15/2003	ND<10	FALSE
II-7	10/16/2003	ND<10	FALSE
II-7	3/24/2004	ND<10	FALSE
II-7	9/22/2004	ND<10	FALSE
II-7	2/17/2005	ND<10	FALSE
II-7	5/11/2005	ND<10	FALSE
II-7	10/11/2005	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	4/12/2007	ND<10	FALSE
II-7	9/28/2007	ND<10	FALSE
II-7	4/30/2008	ND<10	FALSE
II-7	12/2/2008	1.3	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	ND<10	FALSE
II-7	10/16/2009	2.3	FALSE
II-7	4/30/2010	2.11	FALSE
II-7	10/8/2010	ND<10	FALSE
II-7	5/11/2011	ND<10	FALSE
II-7	10/13/2011	ND<10	FALSE
II-7	4/19/2012	ND<10	FALSE

II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-7B	4/30/2010	ND<10	FALSE
II-7B	10/8/2010	ND<10	FALSE
II-7B	5/11/2011	ND<10	FALSE
II-7B	10/13/2011	ND<10	FALSE
II-7B	4/19/2012	ND<10	FALSE

II-10	5/11/2005	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE

II-10	10/19/2006	ND<10	FALSE
II-10	4/12/2007	ND<10	FALSE
II-10	9/28/2007	ND<10	FALSE
II-10	4/30/2008	ND<10	FALSE
II-10	12/2/2008	ND<10	FALSE
II-10	2/13/2009	ND<10	FALSE
II-10	4/17/2009	ND<10	FALSE
II-10	10/16/2009	ND<10	FALSE
II-10	4/30/2010	ND<10	FALSE
II-10	10/8/2010	ND<10	FALSE
II-10	5/11/2011	ND<10	FALSE
II-10	10/13/2011	ND<10	FALSE
II-10	4/19/2012	ND<10	FALSE

II-11	5/11/2005	12	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	4/12/2007	ND<10	FALSE
II-11	9/28/2007	ND<10	FALSE
II-11	4/30/2008	ND<10	FALSE
II-11	12/2/2008	ND<10	FALSE
II-11	2/13/2009	ND<10	FALSE
II-11	4/17/2009	ND<10	FALSE
II-11	10/16/2009	ND<10	FALSE
II-11	4/30/2010	ND<10	FALSE
II-11	10/8/2010	ND<10	FALSE
II-11	5/11/2011	ND<10	FALSE
II-11	10/13/2011	ND<10	FALSE
II-11	4/19/2012	ND<10	FALSE

II-12	5/11/2005	33	TRUE
II-12	4/24/2006	41.8	TRUE
II-12	4/24/2006	41.8	TRUE
II-12	10/19/2006	ND<10	FALSE
II-12	4/12/2007	ND<10	FALSE
II-12	9/28/2007	ND<10	FALSE
II-12	4/30/2008	49.2	TRUE
II-12	12/2/2008	22.4	TRUE
II-12	2/13/2009	ND<10	FALSE
II-12	4/17/2009	34.4	TRUE
II-12	10/16/2009	15.1	FALSE
II-12	4/30/2010	8.21	FALSE
II-12	10/8/2010	6.73	FALSE
II-12	5/11/2011	8.16	FALSE
II-12	10/13/2011	4.74	FALSE
II-12	4/19/2012	6.2	FALSE

II-9	5/11/2005	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	4/12/2007	ND<10	FALSE
II-9	9/28/2007	ND<10	FALSE
II-9	4/30/2008	ND<10	FALSE
II-9	12/2/2008	ND<10	FALSE
II-9	2/13/2009	ND<10	FALSE
II-9	4/17/2009	ND<10	FALSE
II-9	10/16/2009	ND<10	FALSE
II-9	4/30/2010	ND<10	FALSE
II-9	10/8/2010	ND<10	FALSE
II-9	5/11/2011	ND<10	FALSE
II-9	10/13/2011	ND<10	FALSE
II-9	4/19/2012	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 81.5789%

Background measurements (n) = 78

Maximum Background Concentration = 200

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	143	FALSE
II-1	7/6/1994	114	FALSE
II-1	9/9/1994	142	FALSE
II-1	3/17/1995	5	FALSE
II-1	7/11/1995	200	FALSE
II-1	11/17/1995	253	TRUE
II-1	1/5/1996	ND<200	FALSE
II-1	9/25/1996	252	TRUE
II-1	3/26/1997	ND<200	FALSE
II-1	9/17/1997	ND<200	FALSE
II-1	5/5/1998	200	FALSE
II-1	10/16/1998	870	TRUE
II-1	3/26/1999	ND<200	FALSE
II-1	9/22/1999	ND<200	FALSE
II-1	3/27/2000	220	TRUE
II-1	9/13/2000	ND<200	FALSE
II-1	3/12/2001	ND<200	FALSE
II-1	9/13/2001	ND<200	FALSE
II-1	3/7/2002	ND<200	FALSE
II-1	9/18/2002	ND<200	FALSE
II-1	4/15/2003	ND<200	FALSE
II-1	10/16/2003	ND<200	FALSE
II-1	3/24/2004	ND<200	FALSE
II-1	9/22/2004	ND<200	FALSE
II-1	2/17/2005	ND<200	FALSE
II-1	5/11/2005	ND<200	FALSE
II-1	10/11/2005	ND<200	FALSE
II-1	4/24/2006	ND<200	FALSE
II-1	4/24/2006	ND<200	FALSE
II-1	10/19/2006	ND<200	FALSE
II-1	4/12/2007	5.3	FALSE
II-1	9/28/2007	ND<200	FALSE
II-1	4/30/2008	8	FALSE
II-1	12/2/2008	3.3	FALSE
II-1	2/13/2009	ND<200	FALSE
II-1	4/17/2009	ND<200	FALSE
II-1	10/16/2009	4.76	FALSE
II-1	4/30/2010	4.05	FALSE
II-1	10/8/2010	15.4	FALSE
II-1	5/11/2011	17.3	FALSE
II-1	10/13/2011	9.93	FALSE
II-1	4/19/2012	6.67	FALSE

II-2	3/25/1994	7	FALSE
II-2	7/6/1994	21	FALSE
II-2	9/9/1994	36	FALSE
II-2	3/17/1995	ND<200	FALSE
II-2	7/11/1995	ND<200	FALSE
II-2	11/17/1995	ND<200	FALSE
II-2	1/5/1996	ND<200	FALSE
II-2	9/25/1996	ND<200	FALSE
II-2	3/26/1997	ND<200	FALSE
II-2	9/17/1997	ND<200	FALSE
II-2	5/5/1998	ND<200	FALSE
II-2	10/16/1998	ND<200	FALSE
II-2	3/26/1999	ND<200	FALSE
II-2	9/22/1999	ND<200	FALSE

II-2	3/27/2000	ND<200	FALSE
II-2	9/13/2000	ND<200	FALSE
II-2	3/12/2001	ND<200	FALSE
II-2	9/13/2001	ND<200	FALSE
II-2	3/7/2002	ND<200	FALSE
II-2	9/18/2002	ND<200	FALSE
II-2	4/15/2003	ND<200	FALSE
II-2	10/16/2003	ND<200	FALSE
II-2	3/24/2004	ND<200	FALSE
II-2	9/22/2004	ND<200	FALSE
II-2	2/17/2005	ND<200	FALSE
II-2	5/11/2005	ND<200	FALSE
II-2	10/11/2005	ND<200	FALSE
II-2	4/24/2006	ND<200	FALSE
II-2	4/24/2006	ND<200	FALSE
II-2	10/19/2006	ND<200	FALSE
II-2	4/12/2007	2	FALSE
II-2	9/28/2007	ND<200	FALSE
II-2	4/30/2008	ND<200	FALSE
II-2	12/2/2008	ND<200	FALSE
II-2	2/13/2009	ND<200	FALSE
II-2	4/17/2009	ND<200	FALSE
II-2	10/16/2009	ND<200	FALSE
II-2	4/30/2010	ND<200	FALSE
II-2	10/8/2010	ND<200	FALSE
II-2	5/11/2011	ND<200	FALSE
II-2	10/13/2011	ND<200	FALSE
II-2	4/19/2012	ND<200	FALSE

II-3	3/25/1994	6	FALSE
II-3	7/6/1994	34	FALSE
II-3	9/9/1994	34	FALSE
II-3	3/17/1995	ND<200	FALSE
II-3	7/11/1995	ND<200	FALSE
II-3	11/17/1995	ND<200	FALSE
II-3	1/5/1996	ND<200	FALSE
II-3	9/25/1996	ND<200	FALSE
II-3	3/26/1997	350	TRUE
II-3	9/17/1997	280	TRUE
II-3	5/5/1998	ND<200	FALSE
II-3	10/16/1998	ND<200	FALSE
II-3	3/26/1999	ND<200	FALSE
II-3	9/22/1999	ND<200	FALSE
II-3	3/27/2000	ND<200	FALSE
II-3	9/13/2000	ND<200	FALSE
II-3	3/12/2001	ND<200	FALSE
II-3	9/13/2001	ND<200	FALSE
II-3	3/7/2002	ND<200	FALSE
II-3	9/18/2002	ND<200	FALSE
II-3	4/15/2003	ND<200	FALSE
II-3	10/16/2003	ND<200	FALSE
II-3	3/24/2004	ND<200	FALSE
II-3	9/22/2004	ND<200	FALSE
II-3	2/17/2005	ND<200	FALSE
II-3	5/11/2005	ND<200	FALSE
II-3	10/11/2005	ND<200	FALSE
II-3	4/24/2006	ND<200	FALSE
II-3	4/24/2006	ND<200	FALSE
II-3	10/19/2006	ND<200	FALSE
II-3	4/12/2007	0.6	FALSE
II-3	9/28/2007	ND<200	FALSE
II-3	4/30/2008	ND<200	FALSE
II-3	12/2/2008	ND<200	FALSE
II-3	2/13/2009	ND<200	FALSE
II-3	4/17/2009	3.4	FALSE
II-3	10/16/2009	2.31	FALSE
II-3	4/30/2010	3.42	FALSE
II-3	10/8/2010	2.03	FALSE
II-3	5/11/2011	1.79	FALSE
II-3	10/13/2011	ND<200	FALSE

II-3	4/19/2012	2.64	FALSE
II-4	3/25/1994	2	FALSE
II-4	7/6/1994	5	FALSE
II-4	9/9/1994	56	FALSE
II-4	3/17/1995	ND<200	FALSE
II-4	7/11/1995	ND<200	FALSE
II-4	11/17/1995	ND<200	FALSE
II-4	1/5/1996	ND<200	FALSE
II-4	9/25/1996	ND<200	FALSE
II-4	3/26/1997	ND<200	FALSE
II-4	9/17/1997	ND<200	FALSE
II-4	5/5/1998	ND<200	FALSE
II-4	10/16/1998	ND<200	FALSE
II-4	3/26/1999	ND<200	FALSE
II-4	9/22/1999	ND<200	FALSE
II-4	3/27/2000	ND<200	FALSE
II-4	9/13/2000	ND<200	FALSE
II-4	3/12/2001	ND<200	FALSE
II-4	9/13/2001	ND<200	FALSE
II-4	3/7/2002	ND<200	FALSE
II-4	9/18/2002	ND<200	FALSE
II-4	4/15/2003	ND<200	FALSE
II-4	10/16/2003	ND<200	FALSE
II-4	3/24/2004	ND<200	FALSE
II-4	9/22/2004	ND<200	FALSE
II-4	5/11/2005	ND<200	FALSE
II-4	10/11/2005	ND<200	FALSE
II-4	4/24/2006	ND<200	FALSE
II-4	4/24/2006	ND<200	FALSE
II-4	10/19/2006	ND<200	FALSE
II-4	4/12/2007	43.2	FALSE
II-4	9/28/2007	ND<200	FALSE
II-4	4/30/2008	378	TRUE
II-4	12/2/2008	72	FALSE
II-4	2/13/2009	ND<200	FALSE
II-4	4/17/2009	2.69	FALSE
II-4	10/16/2009	58.5	FALSE
II-4	4/30/2010	56.3	FALSE
II-4	10/8/2010	72	FALSE
II-4	5/11/2011	20.8	FALSE
II-4	10/13/2011	40.2	FALSE
II-4	4/19/2012	169	FALSE

II-5	3/25/1994	4	FALSE
II-5	7/6/1994	12	FALSE
II-5	9/9/1994	7	FALSE
II-5	3/17/1995	13	FALSE
II-5	7/11/1995	ND<200	FALSE
II-5	11/17/1995	ND<200	FALSE
II-5	1/5/1996	ND<200	FALSE
II-5	9/25/1996	ND<200	FALSE
II-5	3/26/1997	ND<200	FALSE
II-5	9/17/1997	ND<200	FALSE
II-5	5/5/1998	ND<200	FALSE
II-5	10/16/1998	ND<200	FALSE
II-5	3/26/1999	ND<200	FALSE
II-5	9/22/1999	ND<200	FALSE
II-5	3/27/2000	360	TRUE
II-5	9/13/2000	ND<200	FALSE
II-5	3/12/2001	ND<200	FALSE
II-5	9/13/2001	ND<200	FALSE
II-5	3/7/2002	ND<200	FALSE
II-5	9/18/2002	ND<200	FALSE
II-5	4/15/2003	ND<200	FALSE
II-5	10/16/2003	ND<200	FALSE
II-5	3/24/2004	ND<200	FALSE
II-5	9/22/2004	ND<200	FALSE
II-5	5/11/2005	ND<200	FALSE

II-5	10/11/2005	ND<200	FALSE
II-5	4/24/2006	ND<200	FALSE
II-5	4/24/2006	ND<200	FALSE
II-5	10/19/2006	ND<200	FALSE
II-5	4/12/2007	ND<200	FALSE
II-5	9/28/2007	ND<200	FALSE
II-5	4/30/2008	4.4	FALSE
II-5	12/2/2008	ND<200	FALSE
II-5	2/13/2009	ND<200	FALSE
II-5	4/17/2009	1.31	FALSE
II-5	10/16/2009	ND<200	FALSE
II-5	4/30/2010	ND<200	FALSE
II-5	10/8/2010	ND<200	FALSE
II-5	5/11/2011	2.89	FALSE
II-5	10/13/2011	1.96	FALSE
II-5	4/19/2012	1.75	FALSE

II-8	7/6/1994	ND<200	FALSE
II-8	9/9/1994	9	FALSE
II-8	3/17/1995	55	FALSE
II-8	7/11/1995	ND<200	FALSE
II-8	11/17/1995	ND<200	FALSE
II-8	1/5/1996	ND<200	FALSE
II-8	9/25/1996	ND<200	FALSE
II-8	3/26/1997	440	TRUE
II-8	9/17/1997	ND<200	FALSE
II-8	5/5/1998	ND<200	FALSE
II-8	10/16/1998	ND<200	FALSE
II-8	3/26/1999	ND<200	FALSE
II-8	9/22/1999	ND<200	FALSE
II-8	3/27/2000	ND<200	FALSE
II-8	9/13/2000	ND<200	FALSE
II-8	3/12/2001	ND<200	FALSE
II-8	9/13/2001	ND<200	FALSE
II-8	3/7/2002	ND<200	FALSE
II-8	9/18/2002	ND<200	FALSE
II-8	4/15/2003	ND<200	FALSE
II-8	10/16/2003	ND<200	FALSE
II-8	3/24/2004	ND<200	FALSE
II-8	9/22/2004	ND<200	FALSE
II-8	5/11/2005	ND<200	FALSE
II-8	10/11/2005	ND<200	FALSE
II-8	4/24/2006	ND<200	FALSE
II-8	4/24/2006	ND<200	FALSE
II-8	10/19/2006	ND<200	FALSE
II-8	4/12/2007	0.7	FALSE
II-8	9/28/2007	ND<200	FALSE
II-8	4/30/2008	2.5	FALSE
II-8	12/2/2008	ND<200	FALSE
II-8	2/13/2009	ND<200	FALSE
II-8	4/17/2009	ND<200	FALSE
II-8	10/16/2009	ND<200	FALSE
II-8	4/30/2010	ND<200	FALSE
II-8	10/8/2010	ND<200	FALSE
II-8	5/11/2011	ND<200	FALSE
II-8	10/13/2011	ND<200	FALSE
II-8	4/19/2012	ND<200	FALSE

I-5	9/9/1994	55	FALSE
I-5	3/17/1995	9	FALSE
I-5	7/11/1995	620	TRUE
I-5	11/17/1995	253	TRUE
I-5	1/5/1996	ND<200	FALSE
I-5	9/25/1996	ND<200	FALSE
I-5	3/26/1997	310	TRUE
I-5	9/17/1997	310	TRUE
I-5	5/5/1998	ND<200	FALSE
I-5	10/16/1998	ND<200	FALSE
I-5	3/26/1999	23	FALSE

I-5	9/22/1999	ND<200	FALSE
I-5	3/27/2000	ND<200	FALSE
I-5	9/13/2000	ND<200	FALSE
I-5	3/12/2001	ND<200	FALSE
I-5	9/13/2001	ND<200	FALSE
I-5	3/7/2002	ND<200	FALSE
I-5	9/18/2002	ND<200	FALSE
I-5	4/15/2003	ND<200	FALSE
I-5	10/16/2003	ND<200	FALSE
I-5	3/24/2004	ND<200	FALSE
I-5	9/22/2004	ND<200	FALSE
I-5	5/11/2005	ND<200	FALSE
I-5	10/11/2005	ND<200	FALSE
I-5	4/24/2006	ND<200	FALSE
I-5	4/24/2006	ND<200	FALSE
I-5	10/19/2006	ND<200	FALSE
I-5	4/12/2007	44	FALSE
I-5	9/28/2007	25.4	FALSE
I-5	4/30/2008	ND<200	FALSE
I-5	12/2/2008	ND<200	FALSE
I-5	2/13/2009	ND<200	FALSE
I-5	4/17/2009	ND<200	FALSE
I-5	10/16/2009	ND<200	FALSE
I-5	4/30/2010	ND<200	FALSE
I-5	10/8/2010	ND<200	FALSE
I-5	5/11/2011	ND<200	FALSE
I-5	10/13/2011	ND<200	FALSE
I-5	4/19/2012	ND<200	FALSE

II-6	3/17/1995	ND<200	FALSE
II-6	7/11/1995	ND<200	FALSE
II-6	11/17/1995	ND<200	FALSE
II-6	1/5/1996	ND<200	FALSE
II-6	9/25/1996	ND<200	FALSE
II-6	3/26/1997	ND<200	FALSE
II-6	9/17/1997	ND<200	FALSE
II-6	5/5/1998	ND<200	FALSE
II-6	10/16/1998	ND<200	FALSE
II-6	3/26/1999	ND<200	FALSE
II-6	9/22/1999	ND<200	FALSE
II-6	3/27/2000	ND<200	FALSE
II-6	9/13/2000	ND<200	FALSE
II-6	3/12/2001	ND<200	FALSE
II-6	9/13/2001	ND<200	FALSE
II-6	3/7/2002	ND<200	FALSE
II-6	9/18/2002	ND<200	FALSE
II-6	4/15/2003	ND<200	FALSE
II-6	10/16/2003	ND<200	FALSE
II-6	3/24/2004	ND<200	FALSE
II-6	9/22/2004	ND<200	FALSE
II-6	5/11/2005	ND<200	FALSE
II-6	10/11/2005	ND<200	FALSE
II-6	4/24/2006	ND<200	FALSE
II-6	4/24/2006	ND<200	FALSE
II-6	10/19/2006	ND<200	FALSE
II-6	4/12/2007	ND<200	FALSE
II-6	9/28/2007	ND<200	FALSE
II-6	4/30/2008	7.7	FALSE
II-6	12/2/2008	ND<200	FALSE
II-6	2/13/2009	ND<200	FALSE
II-6	4/17/2009	1.7	FALSE
II-6	10/16/2009	ND<200	FALSE
II-6	4/30/2010	3.86	FALSE
II-6	10/8/2010	ND<200	FALSE
II-6	5/11/2011	2.46	FALSE
II-6	10/13/2011	ND<200	FALSE
II-6	4/19/2012	2.92	FALSE

II-7	3/17/1995	19	FALSE
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II-7	7/11/1995	ND<200	FALSE
II-7	11/17/1995	ND<200	FALSE
II-7	1/5/1996	ND<200	FALSE
II-7	9/25/1996	ND<200	FALSE
II-7	3/26/1997	ND<200	FALSE
II-7	9/17/1997	ND<200	FALSE
II-7	5/5/1998	ND<200	FALSE
II-7	10/16/1998	ND<200	FALSE
II-7	3/26/1999	ND<200	FALSE
II-7	9/22/1999	ND<200	FALSE
II-7	3/27/2000	ND<200	FALSE
II-7	9/13/2000	ND<200	FALSE
II-7	3/12/2001	ND<200	FALSE
II-7	9/13/2001	ND<200	FALSE
II-7	3/7/2002	ND<200	FALSE
II-7	9/18/2002	ND<200	FALSE
II-7	4/15/2003	ND<200	FALSE
II-7	10/16/2003	ND<200	FALSE
II-7	3/24/2004	ND<200	FALSE
II-7	9/22/2004	ND<200	FALSE
II-7	2/17/2005	ND<200	FALSE
II-7	5/11/2005	ND<200	FALSE
II-7	10/11/2005	ND<200	FALSE
II-7	4/24/2006	ND<200	FALSE
II-7	4/24/2006	ND<200	FALSE
II-7	10/19/2006	ND<200	FALSE
II-7	4/12/2007	0.6	FALSE
II-7	9/28/2007	ND<200	FALSE
II-7	4/30/2008	4.1	FALSE
II-7	12/2/2008	1.8	FALSE
II-7	2/13/2009	ND<200	FALSE
II-7	4/17/2009	ND<200	FALSE
II-7	10/16/2009	3.91	FALSE
II-7	4/30/2010	1.88	FALSE
II-7	10/8/2010	1.76	FALSE
II-7	5/11/2011	ND<200	FALSE
II-7	10/13/2011	ND<200	FALSE
II-7	4/19/2012	ND<200	FALSE

II-7B	3/12/2001	ND<200	FALSE
II-7B	9/13/2001	ND<200	FALSE
II-7B	3/7/2002	ND<200	FALSE
II-7B	9/18/2002	ND<200	FALSE
II-7B	4/15/2003	ND<200	FALSE
II-7B	10/16/2003	ND<200	FALSE
II-7B	3/24/2004	ND<200	FALSE
II-7B	9/22/2004	ND<200	FALSE
II-7B	2/17/2005	ND<200	FALSE
II-7B	5/11/2005	ND<200	FALSE
II-7B	10/11/2005	ND<200	FALSE
II-7B	4/24/2006	ND<200	FALSE
II-7B	4/24/2006	ND<200	FALSE
II-7B	10/19/2006	ND<200	FALSE
II-7B	4/12/2007	ND<200	FALSE
II-7B	9/28/2007	ND<200	FALSE
II-7B	4/30/2008	2.9	FALSE
II-7B	12/2/2008	ND<200	FALSE
II-7B	2/13/2009	ND<200	FALSE
II-7B	4/17/2009	2.17	FALSE
II-7B	10/16/2009	1.95	FALSE
II-7B	4/30/2010	ND<200	FALSE
II-7B	10/8/2010	1.67	FALSE
II-7B	5/11/2011	1.81	FALSE
II-7B	10/13/2011	2.54	FALSE
II-7B	4/19/2012	2.02	FALSE

II-10	5/11/2005	ND<200	FALSE
II-10	4/24/2006	ND<200	FALSE
II-10	4/24/2006	ND<200	FALSE

II-10	10/19/2006	ND<200	FALSE
II-10	4/12/2007	ND<200	FALSE
II-10	9/28/2007	ND<200	FALSE
II-10	4/30/2008	ND<200	FALSE
II-10	12/2/2008	ND<200	FALSE
II-10	2/13/2009	ND<200	FALSE
II-10	4/17/2009	ND<200	FALSE
II-10	10/16/2009	ND<200	FALSE
II-10	4/30/2010	ND<200	FALSE
II-10	10/8/2010	ND<200	FALSE
II-10	5/11/2011	ND<200	FALSE
II-10	10/13/2011	ND<200	FALSE
II-10	4/19/2012	ND<200	FALSE
<hr/>			
II-11	5/11/2005	ND<200	FALSE
II-11	4/24/2006	ND<200	FALSE
II-11	4/24/2006	ND<200	FALSE
II-11	10/19/2006	ND<200	FALSE
II-11	4/12/2007	ND<200	FALSE
II-11	9/28/2007	ND<200	FALSE
II-11	4/30/2008	ND<200	FALSE
II-11	12/2/2008	ND<200	FALSE
II-11	2/13/2009	ND<200	FALSE
II-11	4/17/2009	ND<200	FALSE
II-11	10/16/2009	ND<200	FALSE
II-11	4/30/2010	ND<200	FALSE
II-11	10/8/2010	ND<200	FALSE
II-11	5/11/2011	ND<200	FALSE
II-11	10/13/2011	ND<200	FALSE
II-11	4/19/2012	ND<200	FALSE
<hr/>			
II-12	5/11/2005	ND<200	FALSE
II-12	4/24/2006	ND<200	FALSE
II-12	4/24/2006	ND<200	FALSE
II-12	10/19/2006	ND<200	FALSE
II-12	4/12/2007	ND<200	FALSE
II-12	9/28/2007	ND<200	FALSE
II-12	4/30/2008	ND<200	FALSE
II-12	12/2/2008	ND<200	FALSE
II-12	2/13/2009	ND<200	FALSE
II-12	4/17/2009	13.9	FALSE
II-12	10/16/2009	ND<200	FALSE
II-12	4/30/2010	ND<200	FALSE
II-12	10/8/2010	ND<200	FALSE
II-12	5/11/2011	ND<200	FALSE
II-12	10/13/2011	ND<200	FALSE
II-12	4/19/2012	ND<200	FALSE
<hr/>			
II-9	5/11/2005	ND<200	FALSE
II-9	4/24/2006	ND<200	FALSE
II-9	4/24/2006	ND<200	FALSE
II-9	10/19/2006	ND<200	FALSE
II-9	4/12/2007	ND<200	FALSE
II-9	9/28/2007	ND<200	FALSE
II-9	4/30/2008	ND<200	FALSE
II-9	12/2/2008	ND<200	FALSE
II-9	2/13/2009	ND<200	FALSE
II-9	4/17/2009	ND<200	FALSE
II-9	10/16/2009	ND<200	FALSE
II-9	4/30/2010	ND<200	FALSE
II-9	10/8/2010	ND<200	FALSE
II-9	5/11/2011	ND<200	FALSE
II-9	10/13/2011	ND<200	FALSE
II-9	4/19/2012	ND<200	FALSE

Non-Parametric Tolerance Interval

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 79.1353%

Background measurements (n) = 78

Maximum Background Concentration = 50

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	16	FALSE
II-1	7/6/1994	ND<50	FALSE
II-1	9/9/1994	ND<50	FALSE
II-1	3/17/1995	ND<50	FALSE
II-1	7/11/1995	ND<50	FALSE
II-1	11/17/1995	ND<50	FALSE
II-1	1/5/1996	ND<50	FALSE
II-1	9/25/1996	ND<50	FALSE
II-1	3/26/1997	ND<50	FALSE
II-1	9/17/1997	ND<50	FALSE
II-1	5/5/1998	66	TRUE
II-1	10/16/1998	71	TRUE
II-1	3/26/1999	ND<50	FALSE
II-1	9/22/1999	ND<50	FALSE
II-1	3/27/2000	ND<50	FALSE
II-1	9/13/2000	ND<50	FALSE
II-1	3/12/2001	ND<50	FALSE
II-1	9/13/2001	ND<50	FALSE
II-1	3/7/2002	ND<50	FALSE
II-1	9/18/2002	ND<50	FALSE
II-1	4/15/2003	ND<50	FALSE
II-1	10/16/2003	ND<50	FALSE
II-1	3/24/2004	ND<50	FALSE
II-1	9/22/2004	ND<50	FALSE
II-1	2/17/2005	ND<50	FALSE
II-1	5/11/2005	ND<50	FALSE
II-1	10/11/2005	ND<50	FALSE
II-1	4/24/2006	ND<50	FALSE
II-1	4/24/2006	ND<50	FALSE
II-1	10/19/2006	ND<50	FALSE
II-1	4/12/2007	6.9	FALSE
II-1	9/28/2007	ND<50	FALSE
II-1	4/30/2008	6.7	FALSE
II-1	12/2/2008	7.5	FALSE
II-1	2/13/2009	ND<50	FALSE
II-1	4/17/2009	10.7	FALSE
II-1	10/16/2009	9.15	FALSE
II-1	4/30/2010	13.2	FALSE
II-1	10/8/2010	9.47	FALSE
II-1	5/11/2011	20.2	FALSE
II-1	10/13/2011	19.5	FALSE
II-1	4/19/2012	16.7	FALSE

II-2	3/25/1994	ND<50	FALSE
II-2	7/6/1994	ND<50	FALSE
II-2	9/9/1994	ND<50	FALSE
II-2	3/17/1995	ND<50	FALSE
II-2	7/11/1995	ND<50	FALSE
II-2	11/17/1995	ND<50	FALSE
II-2	1/5/1996	ND<50	FALSE
II-2	9/25/1996	ND<50	FALSE
II-2	3/26/1997	ND<50	FALSE
II-2	9/17/1997	ND<50	FALSE
II-2	5/5/1998	ND<50	FALSE
II-2	10/16/1998	ND<50	FALSE
II-2	3/26/1999	ND<50	FALSE
II-2	9/22/1999	ND<50	FALSE

II-2	3/27/2000	ND<50	FALSE
II-2	9/13/2000	ND<50	FALSE
II-2	3/12/2001	ND<50	FALSE
II-2	9/13/2001	ND<50	FALSE
II-2	3/7/2002	ND<50	FALSE
II-2	9/18/2002	ND<50	FALSE
II-2	4/15/2003	ND<50	FALSE
II-2	10/16/2003	ND<50	FALSE
II-2	3/24/2004	ND<50	FALSE
II-2	9/22/2004	ND<50	FALSE
II-2	2/17/2005	ND<50	FALSE
II-2	5/11/2005	ND<50	FALSE
II-2	10/11/2005	ND<50	FALSE
II-2	4/24/2006	ND<50	FALSE
II-2	4/24/2006	ND<50	FALSE
II-2	10/19/2006	ND<50	FALSE
II-2	4/12/2007	ND<50	FALSE
II-2	9/28/2007	ND<50	FALSE
II-2	4/30/2008	ND<50	FALSE
II-2	12/2/2008	ND<50	FALSE
II-2	2/13/2009	ND<50	FALSE
II-2	4/17/2009	ND<50	FALSE
II-2	10/16/2009	ND<50	FALSE
II-2	4/30/2010	ND<50	FALSE
II-2	10/8/2010	ND<50	FALSE
II-2	5/11/2011	ND<50	FALSE
II-2	10/13/2011	ND<50	FALSE
II-2	4/19/2012	ND<50	FALSE

II-3	3/25/1994	ND<50	FALSE
II-3	7/6/1994	ND<50	FALSE
II-3	9/9/1994	ND<50	FALSE
II-3	3/17/1995	ND<50	FALSE
II-3	7/11/1995	ND<50	FALSE
II-3	11/17/1995	ND<50	FALSE
II-3	1/5/1996	ND<50	FALSE
II-3	9/25/1996	ND<50	FALSE
II-3	3/26/1997	88	TRUE
II-3	9/17/1997	61	TRUE
II-3	5/5/1998	ND<50	FALSE
II-3	10/16/1998	ND<50	FALSE
II-3	3/26/1999	ND<50	FALSE
II-3	9/22/1999	ND<50	FALSE
II-3	3/27/2000	ND<50	FALSE
II-3	9/13/2000	ND<50	FALSE
II-3	3/12/2001	ND<50	FALSE
II-3	9/13/2001	ND<50	FALSE
II-3	3/7/2002	ND<50	FALSE
II-3	9/18/2002	ND<50	FALSE
II-3	4/15/2003	ND<50	FALSE
II-3	10/16/2003	ND<50	FALSE
II-3	3/24/2004	ND<50	FALSE
II-3	9/22/2004	ND<50	FALSE
II-3	2/17/2005	ND<50	FALSE
II-3	5/11/2005	ND<50	FALSE
II-3	10/11/2005	ND<50	FALSE
II-3	4/24/2006	ND<50	FALSE
II-3	4/24/2006	ND<50	FALSE
II-3	10/19/2006	ND<50	FALSE
II-3	4/12/2007	6.9	FALSE
II-3	9/28/2007	ND<50	FALSE
II-3	4/30/2008	9.5	FALSE
II-3	12/2/2008	10.3	FALSE
II-3	2/13/2009	ND<50	FALSE
II-3	4/17/2009	13.6	FALSE
II-3	10/16/2009	11.6	FALSE
II-3	4/30/2010	11.2	FALSE
II-3	10/8/2010	10.1	FALSE
II-3	5/11/2011	10.9	FALSE
II-3	10/13/2011	14.2	FALSE

II-3	4/19/2012	11	FALSE
II-4	3/25/1994	ND<50	FALSE
II-4	7/6/1994	ND<50	FALSE
II-4	9/9/1994	22	FALSE
II-4	3/17/1995	ND<50	FALSE
II-4	7/11/1995	ND<50	FALSE
II-4	11/17/1995	ND<50	FALSE
II-4	1/5/1996	ND<50	FALSE
II-4	9/25/1996	ND<50	FALSE
II-4	3/26/1997	ND<50	FALSE
II-4	9/17/1997	ND<50	FALSE
II-4	5/5/1998	ND<50	FALSE
II-4	10/16/1998	ND<50	FALSE
II-4	3/26/1999	ND<50	FALSE
II-4	9/22/1999	ND<50	FALSE
II-4	3/27/2000	ND<50	FALSE
II-4	9/13/2000	ND<50	FALSE
II-4	3/12/2001	ND<50	FALSE
II-4	9/13/2001	ND<50	FALSE
II-4	3/7/2002	ND<50	FALSE
II-4	9/18/2002	ND<50	FALSE
II-4	4/15/2003	ND<50	FALSE
II-4	10/16/2003	ND<50	FALSE
II-4	3/24/2004	ND<50	FALSE
II-4	9/22/2004	ND<50	FALSE
II-4	5/11/2005	ND<50	FALSE
II-4	10/11/2005	ND<50	FALSE
II-4	4/24/2006	ND<50	FALSE
II-4	4/24/2006	ND<50	FALSE
II-4	10/19/2006	ND<50	FALSE
II-4	4/12/2007	15.8	FALSE
II-4	9/28/2007	ND<50	FALSE
II-4	4/30/2008	101	TRUE
II-4	12/2/2008	28.5	FALSE
II-4	2/13/2009	ND<50	FALSE
II-4	4/17/2009	18.7	FALSE
II-4	10/16/2009	25.8	FALSE
II-4	4/30/2010	30.5	FALSE
II-4	10/8/2010	29.5	FALSE
II-4	5/11/2011	12.3	FALSE
II-4	10/13/2011	22.3	FALSE
II-4	4/19/2012	54.9	TRUE

II-5	3/25/1994	ND<50	FALSE
II-5	7/6/1994	ND<50	FALSE
II-5	9/9/1994	ND<50	FALSE
II-5	3/17/1995	ND<50	FALSE
II-5	7/11/1995	ND<50	FALSE
II-5	11/17/1995	ND<50	FALSE
II-5	1/5/1996	ND<50	FALSE
II-5	9/25/1996	ND<50	FALSE
II-5	3/26/1997	ND<50	FALSE
II-5	9/17/1997	ND<50	FALSE
II-5	5/5/1998	ND<50	FALSE
II-5	10/16/1998	50	FALSE
II-5	3/26/1999	ND<50	FALSE
II-5	9/22/1999	ND<50	FALSE
II-5	3/27/2000	97	TRUE
II-5	9/13/2000	ND<50	FALSE
II-5	3/12/2001	ND<50	FALSE
II-5	9/13/2001	ND<50	FALSE
II-5	3/7/2002	ND<50	FALSE
II-5	9/18/2002	ND<50	FALSE
II-5	4/15/2003	ND<50	FALSE
II-5	10/16/2003	ND<50	FALSE
II-5	3/24/2004	ND<50	FALSE
II-5	9/22/2004	ND<50	FALSE
II-5	5/11/2005	ND<50	FALSE

II-5	10/11/2005	ND<50	FALSE
II-5	4/24/2006	ND<50	FALSE
II-5	4/24/2006	ND<50	FALSE
II-5	10/19/2006	ND<50	FALSE
II-5	4/12/2007	6.3	FALSE
II-5	9/28/2007	ND<50	FALSE
II-5	4/30/2008	2.1	FALSE
II-5	12/2/2008	2.1	FALSE
II-5	2/13/2009	ND<50	FALSE
II-5	4/17/2009	3	FALSE
II-5	10/16/2009	3.42	FALSE
II-5	4/30/2010	3.86	FALSE
II-5	10/8/2010	3.95	FALSE
II-5	5/11/2011	3.66	FALSE
II-5	10/13/2011	3.8	FALSE
II-5	4/19/2012	5.4	FALSE

II-8	7/6/1994	ND<50	FALSE
II-8	9/9/1994	6	FALSE
II-8	3/17/1995	ND<50	FALSE
II-8	7/11/1995	ND<50	FALSE
II-8	11/17/1995	ND<50	FALSE
II-8	1/5/1996	ND<50	FALSE
II-8	9/25/1996	ND<50	FALSE
II-8	3/26/1997	120	TRUE
II-8	9/17/1997	ND<50	FALSE
II-8	5/5/1998	ND<50	FALSE
II-8	10/16/1998	ND<50	FALSE
II-8	3/26/1999	ND<50	FALSE
II-8	9/22/1999	ND<50	FALSE
II-8	3/27/2000	ND<50	FALSE
II-8	9/13/2000	ND<50	FALSE
II-8	3/12/2001	ND<50	FALSE
II-8	9/13/2001	ND<50	FALSE
II-8	3/7/2002	ND<50	FALSE
II-8	9/18/2002	ND<50	FALSE
II-8	4/15/2003	ND<50	FALSE
II-8	10/16/2003	ND<50	FALSE
II-8	3/24/2004	ND<50	FALSE
II-8	9/22/2004	ND<50	FALSE
II-8	5/11/2005	ND<50	FALSE
II-8	10/11/2005	ND<50	FALSE
II-8	4/24/2006	ND<50	FALSE
II-8	4/24/2006	ND<50	FALSE
II-8	10/19/2006	ND<50	FALSE
II-8	4/12/2007	6.9	FALSE
II-8	9/28/2007	ND<50	FALSE
II-8	4/30/2008	8.4	FALSE
II-8	12/2/2008	9.1	FALSE
II-8	2/13/2009	ND<50	FALSE
II-8	4/17/2009	11.6	FALSE
II-8	10/16/2009	9.71	FALSE
II-8	4/30/2010	12	FALSE
II-8	10/8/2010	10.2	FALSE
II-8	5/11/2011	17.7	FALSE
II-8	10/13/2011	20	FALSE
II-8	4/19/2012	22.7	FALSE

I-5	9/9/1994	96	TRUE
I-5	3/17/1995	50	FALSE
I-5	7/11/1995	170	TRUE
I-5	11/17/1995	104	TRUE
I-5	1/5/1996	77	TRUE
I-5	9/25/1996	76	TRUE
I-5	3/26/1997	120	TRUE
I-5	9/17/1997	140	TRUE
I-5	5/5/1998	ND<50	FALSE
I-5	10/16/1998	50	FALSE
I-5	3/26/1999	23	FALSE

I-5	9/22/1999	81	TRUE
I-5	3/27/2000	ND<50	FALSE
I-5	9/13/2000	ND<50	FALSE
I-5	3/12/2001	130	TRUE
I-5	9/13/2001	100	TRUE
I-5	3/7/2002	120	TRUE
I-5	9/18/2002	94	TRUE
I-5	4/15/2003	110	TRUE
I-5	10/16/2003	130	TRUE
I-5	3/24/2004	150	TRUE
I-5	9/22/2004	120	TRUE
I-5	5/11/2005	120	TRUE
I-5	10/11/2005	110	TRUE
I-5	4/24/2006	114	TRUE
I-5	4/24/2006	114	TRUE
I-5	10/19/2006	122	TRUE
I-5	4/12/2007	107	TRUE
I-5	9/28/2007	178	TRUE
I-5	4/30/2008	ND<50	FALSE
I-5	12/2/2008	ND<50	FALSE
I-5	2/13/2009	ND<50	FALSE
I-5	4/17/2009	ND<50	FALSE
I-5	10/16/2009	ND<50	FALSE
I-5	4/30/2010	ND<50	FALSE
I-5	10/8/2010	ND<50	FALSE
I-5	5/11/2011	ND<50	FALSE
I-5	10/13/2011	ND<50	FALSE
I-5	4/19/2012	ND<50	FALSE

II-6	3/17/1995	ND<50	FALSE
II-6	7/11/1995	ND<50	FALSE
II-6	11/17/1995	ND<50	FALSE
II-6	1/5/1996	ND<50	FALSE
II-6	9/25/1996	ND<50	FALSE
II-6	3/26/1997	59	TRUE
II-6	9/17/1997	ND<50	FALSE
II-6	5/5/1998	ND<50	FALSE
II-6	10/16/1998	ND<50	FALSE
II-6	3/26/1999	ND<50	FALSE
II-6	9/22/1999	ND<50	FALSE
II-6	3/27/2000	ND<50	FALSE
II-6	9/13/2000	ND<50	FALSE
II-6	3/12/2001	ND<50	FALSE
II-6	9/13/2001	ND<50	FALSE
II-6	3/7/2002	ND<50	FALSE
II-6	9/18/2002	ND<50	FALSE
II-6	4/15/2003	ND<50	FALSE
II-6	10/16/2003	ND<50	FALSE
II-6	3/24/2004	ND<50	FALSE
II-6	9/22/2004	ND<50	FALSE
II-6	5/11/2005	ND<50	FALSE
II-6	10/11/2005	ND<50	FALSE
II-6	4/24/2006	ND<50	FALSE
II-6	4/24/2006	ND<50	FALSE
II-6	10/19/2006	ND<50	FALSE
II-6	4/12/2007	17.1	FALSE
II-6	9/28/2007	ND<50	FALSE
II-6	4/30/2008	6.7	FALSE
II-6	12/2/2008	33.9	FALSE
II-6	2/13/2009	ND<50	FALSE
II-6	4/17/2009	2.1	FALSE
II-6	10/16/2009	40.3	FALSE
II-6	4/30/2010	36.6	FALSE
II-6	10/8/2010	40.5	FALSE
II-6	5/11/2011	9.44	FALSE
II-6	10/13/2011	63.2	TRUE
II-6	4/19/2012	9.09	FALSE

II-7	3/17/1995	ND<50	FALSE
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II-7	7/11/1995	ND<50	FALSE
II-7	11/17/1995	ND<50	FALSE
II-7	1/5/1996	ND<50	FALSE
II-7	9/25/1996	ND<50	FALSE
II-7	3/26/1997	ND<50	FALSE
II-7	9/17/1997	ND<50	FALSE
II-7	5/5/1998	ND<50	FALSE
II-7	10/16/1998	ND<50	FALSE
II-7	3/26/1999	ND<50	FALSE
II-7	9/22/1999	ND<50	FALSE
II-7	3/27/2000	ND<50	FALSE
II-7	9/13/2000	ND<50	FALSE
II-7	3/12/2001	ND<50	FALSE
II-7	9/13/2001	ND<50	FALSE
II-7	3/7/2002	ND<50	FALSE
II-7	9/18/2002	ND<50	FALSE
II-7	4/15/2003	ND<50	FALSE
II-7	10/16/2003	ND<50	FALSE
II-7	3/24/2004	ND<50	FALSE
II-7	9/22/2004	ND<50	FALSE
II-7	2/17/2005	ND<50	FALSE
II-7	5/11/2005	ND<50	FALSE
II-7	10/11/2005	ND<50	FALSE
II-7	4/24/2006	ND<50	FALSE
II-7	4/24/2006	ND<50	FALSE
II-7	10/19/2006	ND<50	FALSE
II-7	4/12/2007	ND<50	FALSE
II-7	9/28/2007	ND<50	FALSE
II-7	4/30/2008	ND<50	FALSE
II-7	12/2/2008	ND<50	FALSE
II-7	2/13/2009	ND<50	FALSE
II-7	4/17/2009	1.3	FALSE
II-7	10/16/2009	4.46	FALSE
II-7	4/30/2010	1.96	FALSE
II-7	10/8/2010	ND<50	FALSE
II-7	5/11/2011	ND<50	FALSE
II-7	10/13/2011	ND<50	FALSE
II-7	4/19/2012	ND<50	FALSE

II-7B	3/12/2001	ND<50	FALSE
II-7B	9/13/2001	ND<50	FALSE
II-7B	3/7/2002	ND<50	FALSE
II-7B	9/18/2002	ND<50	FALSE
II-7B	4/15/2003	ND<50	FALSE
II-7B	10/16/2003	ND<50	FALSE
II-7B	3/24/2004	ND<50	FALSE
II-7B	9/22/2004	ND<50	FALSE
II-7B	2/17/2005	ND<50	FALSE
II-7B	5/11/2005	ND<50	FALSE
II-7B	10/11/2005	ND<50	FALSE
II-7B	4/24/2006	ND<50	FALSE
II-7B	4/24/2006	ND<50	FALSE
II-7B	10/19/2006	ND<50	FALSE
II-7B	4/12/2007	ND<50	FALSE
II-7B	9/28/2007	ND<50	FALSE
II-7B	4/30/2008	ND<50	FALSE
II-7B	12/2/2008	ND<50	FALSE
II-7B	2/13/2009	ND<50	FALSE
II-7B	4/17/2009	0.8	FALSE
II-7B	10/16/2009	ND<50	FALSE
II-7B	4/30/2010	ND<50	FALSE
II-7B	10/8/2010	ND<50	FALSE
II-7B	5/11/2011	ND<50	FALSE
II-7B	10/13/2011	ND<50	FALSE
II-7B	4/19/2012	ND<50	FALSE

II-10	5/11/2005	ND<50	FALSE
II-10	4/24/2006	ND<50	FALSE
II-10	4/24/2006	ND<50	FALSE

II-10	10/19/2006	ND<50	FALSE
II-10	4/12/2007	ND<50	FALSE
II-10	9/28/2007	ND<50	FALSE
II-10	4/30/2008	ND<50	FALSE
II-10	12/2/2008	ND<50	FALSE
II-10	2/13/2009	ND<50	FALSE
II-10	4/17/2009	ND<50	FALSE
II-10	10/16/2009	ND<50	FALSE
II-10	4/30/2010	ND<50	FALSE
II-10	10/8/2010	ND<50	FALSE
II-10	5/11/2011	ND<50	FALSE
II-10	10/13/2011	ND<50	FALSE
II-10	4/19/2012	ND<50	FALSE
<hr/>			
II-11	5/11/2005	ND<50	FALSE
II-11	4/24/2006	ND<50	FALSE
II-11	4/24/2006	ND<50	FALSE
II-11	10/19/2006	ND<50	FALSE
II-11	4/12/2007	ND<50	FALSE
II-11	9/28/2007	ND<50	FALSE
II-11	4/30/2008	ND<50	FALSE
II-11	12/2/2008	ND<50	FALSE
II-11	2/13/2009	ND<50	FALSE
II-11	4/17/2009	ND<50	FALSE
II-11	10/16/2009	ND<50	FALSE
II-11	4/30/2010	ND<50	FALSE
II-11	10/8/2010	ND<50	FALSE
II-11	5/11/2011	ND<50	FALSE
II-11	10/13/2011	ND<50	FALSE
II-11	4/19/2012	ND<50	FALSE
<hr/>			
II-12	5/11/2005	ND<50	FALSE
II-12	4/24/2006	ND<50	FALSE
II-12	4/24/2006	ND<50	FALSE
II-12	10/19/2006	ND<50	FALSE
II-12	4/12/2007	ND<50	FALSE
II-12	9/28/2007	ND<50	FALSE
II-12	4/30/2008	15	FALSE
II-12	12/2/2008	8.2	FALSE
II-12	2/13/2009	ND<50	FALSE
II-12	4/17/2009	22.8	FALSE
II-12	10/16/2009	7.7	FALSE
II-12	4/30/2010	10.7	FALSE
II-12	10/8/2010	10.4	FALSE
II-12	5/11/2011	11.2	FALSE
II-12	10/13/2011	10.5	FALSE
II-12	4/19/2012	8.58	FALSE
<hr/>			
II-9	5/11/2005	ND<50	FALSE
II-9	4/24/2006	ND<50	FALSE
II-9	4/24/2006	ND<50	FALSE
II-9	10/19/2006	ND<50	FALSE
II-9	4/12/2007	ND<50	FALSE
II-9	9/28/2007	ND<50	FALSE
II-9	4/30/2008	ND<50	FALSE
II-9	12/2/2008	ND<50	FALSE
II-9	2/13/2009	ND<50	FALSE
II-9	4/17/2009	ND<50	FALSE
II-9	10/16/2009	ND<50	FALSE
II-9	4/30/2010	ND<50	FALSE
II-9	10/8/2010	ND<50	FALSE
II-9	5/11/2011	ND<50	FALSE
II-9	10/13/2011	ND<50	FALSE
II-9	4/19/2012	ND<50	FALSE

Non-Parametric Tolerance Interval

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 72.3684%

Background measurements (n) = 78

Maximum Background Concentration = 160

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	68	FALSE
II-1	7/6/1994	69	FALSE
II-1	9/9/1994	51	FALSE
II-1	3/17/1995	11	FALSE
II-1	7/11/1995	78	FALSE
II-1	11/17/1995	98	FALSE
II-1	1/5/1996	53	FALSE
II-1	9/25/1996	77	FALSE
II-1	3/26/1997	43	FALSE
II-1	9/17/1997	44	FALSE
II-1	5/5/1998	48	FALSE
II-1	10/16/1998	340	TRUE
II-1	3/26/1999	62	FALSE
II-1	9/22/1999	ND<40	FALSE
II-1	3/27/2000	76	FALSE
II-1	9/13/2000	ND<40	FALSE
II-1	3/12/2001	44	FALSE
II-1	9/13/2001	ND<40	FALSE
II-1	3/7/2002	ND<44	FALSE
II-1	9/18/2002	ND<40	FALSE
II-1	4/15/2003	ND<40	FALSE
II-1	10/16/2003	ND<40	FALSE
II-1	3/24/2004	ND<40	FALSE
II-1	9/22/2004	ND<40	FALSE
II-1	2/17/2005	ND<40	FALSE
II-1	5/11/2005	ND<40	FALSE
II-1	10/11/2005	ND<40	FALSE
II-1	4/24/2006	ND<40	FALSE
II-1	4/24/2006	ND<40	FALSE
II-1	10/19/2006	ND<40	FALSE
II-1	4/12/2007	ND<40	FALSE
II-1	9/28/2007	ND<40	FALSE
II-1	4/30/2008	ND<40	FALSE
II-1	12/2/2008	ND<40	FALSE
II-1	2/13/2009	ND<40	FALSE
II-1	4/17/2009	ND<40	FALSE
II-1	10/16/2009	ND<40	FALSE
II-1	4/30/2010	ND<40	FALSE
II-1	10/8/2010	ND<40	FALSE
II-1	5/11/2011	ND<40	FALSE
II-1	10/13/2011	ND<40	FALSE
II-1	4/19/2012	ND<40	FALSE

II-2	3/25/1994	25	FALSE
II-2	7/6/1994	86	FALSE
II-2	9/9/1994	75	FALSE
II-2	3/17/1995	25	FALSE
II-2	7/11/1995	180	TRUE
II-2	11/17/1995	75	FALSE
II-2	1/5/1996	101	FALSE
II-2	9/25/1996	195	TRUE
II-2	3/26/1997	84	FALSE
II-2	9/17/1997	170	TRUE
II-2	5/5/1998	ND<40	FALSE
II-2	10/16/1998	ND<40	FALSE
II-2	3/26/1999	ND<40	FALSE
II-2	9/22/1999	ND<40	FALSE

II-2	3/27/2000	ND<40	FALSE
II-2	9/13/2000	ND<40	FALSE
II-2	3/12/2001	ND<40	FALSE
II-2	9/13/2001	ND<40	FALSE
II-2	3/7/2002	ND<40	FALSE
II-2	9/18/2002	ND<40	FALSE
II-2	4/15/2003	ND<40	FALSE
II-2	10/16/2003	ND<40	FALSE
II-2	3/24/2004	ND<40	FALSE
II-2	9/22/2004	ND<40	FALSE
II-2	2/17/2005	ND<40	FALSE
II-2	5/11/2005	ND<40	FALSE
II-2	10/11/2005	ND<40	FALSE
II-2	4/24/2006	ND<40	FALSE
II-2	4/24/2006	ND<40	FALSE
II-2	10/19/2006	ND<40	FALSE
II-2	4/12/2007	ND<40	FALSE
II-2	9/28/2007	ND<40	FALSE
II-2	4/30/2008	ND<40	FALSE
II-2	12/2/2008	ND<40	FALSE
II-2	2/13/2009	ND<40	FALSE
II-2	4/17/2009	2.2	FALSE
II-2	10/16/2009	4.06	FALSE
II-2	4/30/2010	3.66	FALSE
II-2	10/8/2010	2.11	FALSE
II-2	5/11/2011	3.11	FALSE
II-2	10/13/2011	2.61	FALSE
II-2	4/19/2012	1.93	FALSE

II-3	3/25/1994	9	FALSE
II-3	7/6/1994	67	FALSE
II-3	9/9/1994	ND<40	FALSE
II-3	3/17/1995	ND<40	FALSE
II-3	7/11/1995	130	FALSE
II-3	11/17/1995	48	FALSE
II-3	1/5/1996	47	FALSE
II-3	9/25/1996	124	FALSE
II-3	3/26/1997	230	TRUE
II-3	9/17/1997	280	TRUE
II-3	5/5/1998	ND<40	FALSE
II-3	10/16/1998	ND<40	FALSE
II-3	3/26/1999	ND<40	FALSE
II-3	9/22/1999	ND<40	FALSE
II-3	3/27/2000	46	FALSE
II-3	9/13/2000	ND<40	FALSE
II-3	3/12/2001	ND<40	FALSE
II-3	9/13/2001	ND<40	FALSE
II-3	3/7/2002	ND<40	FALSE
II-3	9/18/2002	ND<40	FALSE
II-3	4/15/2003	ND<40	FALSE
II-3	10/16/2003	ND<40	FALSE
II-3	3/24/2004	ND<40	FALSE
II-3	9/22/2004	ND<40	FALSE
II-3	2/17/2005	ND<40	FALSE
II-3	5/11/2005	ND<40	FALSE
II-3	10/11/2005	ND<40	FALSE
II-3	4/24/2006	ND<40	FALSE
II-3	4/24/2006	ND<40	FALSE
II-3	10/19/2006	ND<40	FALSE
II-3	4/12/2007	ND<40	FALSE
II-3	9/28/2007	ND<40	FALSE
II-3	4/30/2008	ND<40	FALSE
II-3	12/2/2008	ND<40	FALSE
II-3	2/13/2009	ND<40	FALSE
II-3	4/17/2009	6.4	FALSE
II-3	10/16/2009	3.27	FALSE
II-3	4/30/2010	4.29	FALSE
II-3	10/8/2010	2.29	FALSE
II-3	5/11/2011	ND<40	FALSE
II-3	10/13/2011	ND<40	FALSE

II-3	4/19/2012	2.72	FALSE
II-4	3/25/1994	ND<40	FALSE
II-4	7/6/1994	ND<40	FALSE
II-4	9/9/1994	208	TRUE
II-4	3/17/1995	ND<40	FALSE
II-4	7/11/1995	250	TRUE
II-4	11/17/1995	ND<40	FALSE
II-4	1/5/1996	ND<40	FALSE
II-4	9/25/1996	ND<40	FALSE
II-4	3/26/1997	130	FALSE
II-4	9/17/1997	110	FALSE
II-4	5/5/1998	110	FALSE
II-4	10/16/1998	ND<40	FALSE
II-4	3/26/1999	50	FALSE
II-4	9/22/1999	40	FALSE
II-4	3/27/2000	86	FALSE
II-4	9/13/2000	ND<40	FALSE
II-4	3/12/2001	ND<40	FALSE
II-4	9/13/2001	ND<40	FALSE
II-4	3/7/2002	ND<40	FALSE
II-4	9/18/2002	ND<40	FALSE
II-4	4/15/2003	ND<40	FALSE
II-4	10/16/2003	ND<40	FALSE
II-4	3/24/2004	ND<40	FALSE
II-4	9/22/2004	ND<40	FALSE
II-4	5/11/2005	40	FALSE
II-4	10/11/2005	42	FALSE
II-4	4/24/2006	63.2	FALSE
II-4	4/24/2006	63.2	FALSE
II-4	10/19/2006	113	FALSE
II-4	4/12/2007	55.8	FALSE
II-4	9/28/2007	ND<40	FALSE
II-4	4/30/2008	524	TRUE
II-4	12/2/2008	104	FALSE
II-4	2/13/2009	ND<40	FALSE
II-4	4/17/2009	14.4	FALSE
II-4	10/16/2009	79.1	FALSE
II-4	4/30/2010	74.9	FALSE
II-4	10/8/2010	98.6	FALSE
II-4	5/11/2011	33.7	FALSE
II-4	10/13/2011	57.5	FALSE
II-4	4/19/2012	217	TRUE
II-5	3/25/1994	7	FALSE
II-5	7/6/1994	7	FALSE
II-5	9/9/1994	6	FALSE
II-5	3/17/1995	6	FALSE
II-5	7/11/1995	ND<40	FALSE
II-5	11/17/1995	ND<40	FALSE
II-5	1/5/1996	41	FALSE
II-5	9/25/1996	52	FALSE
II-5	3/26/1997	51	FALSE
II-5	9/17/1997	67	FALSE
II-5	5/5/1998	ND<40	FALSE
II-5	10/16/1998	ND<40	FALSE
II-5	3/26/1999	ND<40	FALSE
II-5	9/22/1999	ND<40	FALSE
II-5	3/27/2000	ND<40	FALSE
II-5	9/13/2000	ND<40	FALSE
II-5	3/12/2001	ND<40	FALSE
II-5	9/13/2001	ND<40	FALSE
II-5	3/7/2002	ND<40	FALSE
II-5	9/18/2002	ND<40	FALSE
II-5	4/15/2003	ND<40	FALSE
II-5	10/16/2003	ND<40	FALSE
II-5	3/24/2004	ND<40	FALSE
II-5	9/22/2004	ND<40	FALSE
II-5	5/11/2005	ND<40	FALSE

II-5	10/11/2005	ND<40	FALSE
II-5	4/24/2006	ND<40	FALSE
II-5	4/24/2006	ND<40	FALSE
II-5	10/19/2006	ND<40	FALSE
II-5	4/12/2007	ND<40	FALSE
II-5	9/28/2007	ND<40	FALSE
II-5	4/30/2008	9.1	FALSE
II-5	12/2/2008	ND<40	FALSE
II-5	2/13/2009	ND<40	FALSE
II-5	4/17/2009	6.8	FALSE
II-5	10/16/2009	1.65	FALSE
II-5	4/30/2010	5.76	FALSE
II-5	10/8/2010	3.3	FALSE
II-5	5/11/2011	6.65	FALSE
II-5	10/13/2011	5.4	FALSE
II-5	4/19/2012	3.04	FALSE

II-8	7/6/1994	5	FALSE
II-8	9/9/1994	15	FALSE
II-8	3/17/1995	ND<40	FALSE
II-8	7/11/1995	ND<40	FALSE
II-8	11/17/1995	138	FALSE
II-8	1/5/1996	59	FALSE
II-8	9/25/1996	ND<40	FALSE
II-8	3/26/1997	410	TRUE
II-8	9/17/1997	220	TRUE
II-8	5/5/1998	ND<40	FALSE
II-8	10/16/1998	ND<40	FALSE
II-8	3/26/1999	ND<40	FALSE
II-8	9/22/1999	ND<40	FALSE
II-8	3/27/2000	ND<40	FALSE
II-8	9/13/2000	ND<40	FALSE
II-8	3/12/2001	ND<40	FALSE
II-8	9/13/2001	ND<40	FALSE
II-8	3/7/2002	ND<40	FALSE
II-8	9/18/2002	ND<40	FALSE
II-8	4/15/2003	ND<40	FALSE
II-8	10/16/2003	ND<40	FALSE
II-8	3/24/2004	ND<40	FALSE
II-8	9/22/2004	ND<40	FALSE
II-8	5/11/2005	ND<40	FALSE
II-8	10/11/2005	ND<40	FALSE
II-8	4/24/2006	ND<40	FALSE
II-8	4/24/2006	ND<40	FALSE
II-8	10/19/2006	ND<40	FALSE
II-8	4/12/2007	ND<40	FALSE
II-8	9/28/2007	ND<40	FALSE
II-8	4/30/2008	ND<40	FALSE
II-8	12/2/2008	ND<40	FALSE
II-8	2/13/2009	ND<40	FALSE
II-8	4/17/2009	2.1	FALSE
II-8	10/16/2009	6.24	FALSE
II-8	4/30/2010	2.02	FALSE
II-8	10/8/2010	1.65	FALSE
II-8	5/11/2011	1.8	FALSE
II-8	10/13/2011	ND<40	FALSE
II-8	4/19/2012	ND<40	FALSE

I-5	9/9/1994	45	FALSE
I-5	3/17/1995	5	FALSE
I-5	7/11/1995	410	TRUE
I-5	11/17/1995	199	TRUE
I-5	1/5/1996	100	FALSE
I-5	9/25/1996	83	FALSE
I-5	3/26/1997	140	FALSE
I-5	9/17/1997	220	TRUE
I-5	5/5/1998	ND<40	FALSE
I-5	10/16/1998	ND<40	FALSE
I-5	3/26/1999	ND<40	FALSE

I-5	9/22/1999	ND<40	FALSE
I-5	3/27/2000	ND<40	FALSE
I-5	9/13/2000	ND<40	FALSE
I-5	3/12/2001	ND<40	FALSE
I-5	9/13/2001	ND<40	FALSE
I-5	3/7/2002	ND<40	FALSE
I-5	9/18/2002	ND<40	FALSE
I-5	4/15/2003	ND<40	FALSE
I-5	10/16/2003	ND<40	FALSE
I-5	3/24/2004	ND<40	FALSE
I-5	9/22/2004	ND<40	FALSE
I-5	5/11/2005	ND<40	FALSE
I-5	10/11/2005	ND<40	FALSE
I-5	4/24/2006	ND<40	FALSE
I-5	4/24/2006	ND<40	FALSE
I-5	10/19/2006	ND<40	FALSE
I-5	4/12/2007	ND<40	FALSE
I-5	9/28/2007	ND<40	FALSE
I-5	4/30/2008	ND<40	FALSE
I-5	12/2/2008	ND<40	FALSE
I-5	2/13/2009	ND<40	FALSE
I-5	4/17/2009	ND<40	FALSE
I-5	10/16/2009	ND<40	FALSE
I-5	4/30/2010	ND<40	FALSE
I-5	10/8/2010	ND<40	FALSE
I-5	5/11/2011	ND<40	FALSE
I-5	10/13/2011	ND<40	FALSE
I-5	4/19/2012	ND<40	FALSE

II-6	3/17/1995	ND<40	FALSE
II-6	7/11/1995	78	FALSE
II-6	11/17/1995	ND<40	FALSE
II-6	1/5/1996	ND<40	FALSE
II-6	9/25/1996	48	FALSE
II-6	3/26/1997	75	FALSE
II-6	9/17/1997	66	FALSE
II-6	5/5/1998	ND<40	FALSE
II-6	10/16/1998	ND<40	FALSE
II-6	3/26/1999	ND<40	FALSE
II-6	9/22/1999	ND<40	FALSE
II-6	3/27/2000	ND<40	FALSE
II-6	9/13/2000	ND<40	FALSE
II-6	3/12/2001	ND<40	FALSE
II-6	9/13/2001	ND<40	FALSE
II-6	3/7/2002	ND<40	FALSE
II-6	9/18/2002	ND<40	FALSE
II-6	4/15/2003	ND<40	FALSE
II-6	10/16/2003	ND<40	FALSE
II-6	3/24/2004	ND<40	FALSE
II-6	9/22/2004	ND<40	FALSE
II-6	5/11/2005	ND<40	FALSE
II-6	10/11/2005	ND<40	FALSE
II-6	4/24/2006	ND<40	FALSE
II-6	4/24/2006	ND<40	FALSE
II-6	10/19/2006	ND<40	FALSE
II-6	4/12/2007	ND<40	FALSE
II-6	9/28/2007	ND<40	FALSE
II-6	4/30/2008	4.1	FALSE
II-6	12/2/2008	ND<40	FALSE
II-6	2/13/2009	ND<40	FALSE
II-6	4/17/2009	0.7	FALSE
II-6	10/16/2009	2.02	FALSE
II-6	4/30/2010	ND<40	FALSE
II-6	10/8/2010	4.32	FALSE
II-6	5/11/2011	ND<40	FALSE
II-6	10/13/2011	2.33	FALSE
II-6	4/19/2012	ND<40	FALSE

II-7	3/17/1995	15	FALSE
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II-7	7/11/1995	42	FALSE
II-7	11/17/1995	ND<40	FALSE
II-7	1/5/1996	ND<40	FALSE
II-7	9/25/1996	ND<40	FALSE
II-7	3/26/1997	ND<40	FALSE
II-7	9/17/1997	ND<40	FALSE
II-7	5/5/1998	ND<40	FALSE
II-7	10/16/1998	ND<40	FALSE
II-7	3/26/1999	ND<40	FALSE
II-7	9/22/1999	ND<40	FALSE
II-7	3/27/2000	ND<40	FALSE
II-7	9/13/2000	ND<40	FALSE
II-7	3/12/2001	ND<40	FALSE
II-7	9/13/2001	ND<40	FALSE
II-7	3/7/2002	ND<40	FALSE
II-7	9/18/2002	ND<40	FALSE
II-7	4/15/2003	ND<40	FALSE
II-7	10/16/2003	ND<40	FALSE
II-7	3/24/2004	ND<40	FALSE
II-7	9/22/2004	ND<40	FALSE
II-7	2/17/2005	ND<40	FALSE
II-7	5/11/2005	ND<40	FALSE
II-7	10/11/2005	ND<40	FALSE
II-7	4/24/2006	ND<40	FALSE
II-7	4/24/2006	ND<40	FALSE
II-7	10/19/2006	ND<40	FALSE
II-7	4/12/2007	ND<40	FALSE
II-7	9/28/2007	ND<40	FALSE
II-7	4/30/2008	1.8	FALSE
II-7	12/2/2008	ND<40	FALSE
II-7	2/13/2009	ND<40	FALSE
II-7	4/17/2009	ND<40	FALSE
II-7	10/16/2009	6.2	FALSE
II-7	4/30/2010	ND<40	FALSE
II-7	10/8/2010	ND<40	FALSE
II-7	5/11/2011	ND<40	FALSE
II-7	10/13/2011	ND<40	FALSE
II-7	4/19/2012	ND<40	FALSE

II-7B	3/12/2001	ND<40	FALSE
II-7B	9/13/2001	ND<40	FALSE
II-7B	3/7/2002	ND<40	FALSE
II-7B	9/18/2002	ND<40	FALSE
II-7B	4/15/2003	ND<40	FALSE
II-7B	10/16/2003	ND<40	FALSE
II-7B	3/24/2004	ND<40	FALSE
II-7B	9/22/2004	ND<40	FALSE
II-7B	2/17/2005	ND<40	FALSE
II-7B	5/11/2005	ND<40	FALSE
II-7B	10/11/2005	ND<40	FALSE
II-7B	4/24/2006	ND<40	FALSE
II-7B	4/24/2006	ND<40	FALSE
II-7B	10/19/2006	ND<40	FALSE
II-7B	4/12/2007	14.5	FALSE
II-7B	9/28/2007	ND<40	FALSE
II-7B	4/30/2008	15.4	FALSE
II-7B	12/2/2008	8.5	FALSE
II-7B	2/13/2009	ND<40	FALSE
II-7B	4/17/2009	10	FALSE
II-7B	10/16/2009	9.44	FALSE
II-7B	4/30/2010	8.15	FALSE
II-7B	10/8/2010	7.99	FALSE
II-7B	5/11/2011	9.54	FALSE
II-7B	10/13/2011	7.82	FALSE
II-7B	4/19/2012	8.14	FALSE

II-10	5/11/2005	ND<40	FALSE
II-10	4/24/2006	ND<40	FALSE
II-10	4/24/2006	ND<40	FALSE

II-10	10/19/2006	ND<40	FALSE
II-10	4/12/2007	ND<40	FALSE
II-10	9/28/2007	ND<40	FALSE
II-10	4/30/2008	ND<40	FALSE
II-10	12/2/2008	ND<40	FALSE
II-10	2/13/2009	ND<40	FALSE
II-10	4/17/2009	ND<40	FALSE
II-10	10/16/2009	ND<40	FALSE
II-10	4/30/2010	ND<40	FALSE
II-10	10/8/2010	ND<40	FALSE
II-10	5/11/2011	ND<40	FALSE
II-10	10/13/2011	ND<40	FALSE
II-10	4/19/2012	ND<40	FALSE

II-11	5/11/2005	ND<40	FALSE
II-11	4/24/2006	ND<40	FALSE
II-11	4/24/2006	ND<40	FALSE
II-11	10/19/2006	ND<40	FALSE
II-11	4/12/2007	ND<40	FALSE
II-11	9/28/2007	ND<40	FALSE
II-11	4/30/2008	ND<40	FALSE
II-11	12/2/2008	ND<40	FALSE
II-11	2/13/2009	ND<40	FALSE
II-11	4/17/2009	ND<40	FALSE
II-11	10/16/2009	ND<40	FALSE
II-11	4/30/2010	ND<40	FALSE
II-11	10/8/2010	ND<40	FALSE
II-11	5/11/2011	ND<40	FALSE
II-11	10/13/2011	ND<40	FALSE
II-11	4/19/2012	ND<40	FALSE

II-12	5/11/2005	ND<40	FALSE
II-12	4/24/2006	ND<40	FALSE
II-12	4/24/2006	ND<40	FALSE
II-12	10/19/2006	ND<40	FALSE
II-12	4/12/2007	ND<40	FALSE
II-12	9/28/2007	ND<40	FALSE
II-12	4/30/2008	ND<40	FALSE
II-12	12/2/2008	ND<40	FALSE
II-12	2/13/2009	ND<40	FALSE
II-12	4/17/2009	50.1	FALSE
II-12	10/16/2009	ND<40	FALSE
II-12	4/30/2010	ND<40	FALSE
II-12	10/8/2010	2.42	FALSE
II-12	5/11/2011	ND<40	FALSE
II-12	10/13/2011	ND<40	FALSE
II-12	4/19/2012	ND<40	FALSE

II-9	5/11/2005	ND<40	FALSE
II-9	4/24/2006	ND<40	FALSE
II-9	4/24/2006	ND<40	FALSE
II-9	10/19/2006	ND<40	FALSE
II-9	4/12/2007	ND<40	FALSE
II-9	9/28/2007	ND<40	FALSE
II-9	4/30/2008	ND<40	FALSE
II-9	12/2/2008	ND<40	FALSE
II-9	2/13/2009	ND<40	FALSE
II-9	4/17/2009	ND<40	FALSE
II-9	10/16/2009	ND<40	FALSE
II-9	4/30/2010	ND<40	FALSE
II-9	10/8/2010	ND<40	FALSE
II-9	5/11/2011	ND<40	FALSE
II-9	10/13/2011	ND<40	FALSE
II-9	4/19/2012	ND<40	FALSE

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.6241%

Background measurements (n) = 78

Maximum Background Concentration = 310

Minimum Coverage = 96.3%

Average Coverage = 98.7342%

Location	Date	Value	Significant
II-1	3/25/1994	55	FALSE
II-1	7/6/1994	68	FALSE
II-1	9/9/1994	424	TRUE
II-1	3/17/1995	6	FALSE
II-1	7/11/1995	85	FALSE
II-1	11/17/1995	89	FALSE
II-1	1/5/1996	ND<50	FALSE
II-1	9/25/1996	71	FALSE
II-1	3/26/1997	ND<50	FALSE
II-1	9/17/1997	92	FALSE
II-1	5/5/1998	120	FALSE
II-1	10/16/1998	330	TRUE
II-1	3/26/1999	62	FALSE
II-1	9/22/1999	ND<50	FALSE
II-1	3/27/2000	160	FALSE
II-1	9/13/2000	ND<50	FALSE
II-1	3/12/2001	52	FALSE
II-1	9/13/2001	ND<50	FALSE
II-1	3/7/2002	ND<50	FALSE
II-1	9/18/2002	ND<50	FALSE
II-1	4/15/2003	ND<50	FALSE
II-1	10/16/2003	ND<50	FALSE
II-1	3/24/2004	ND<50	FALSE
II-1	9/22/2004	ND<50	FALSE
II-1	2/17/2005	ND<50	FALSE
II-1	5/11/2005	ND<50	FALSE
II-1	10/11/2005	ND<50	FALSE
II-1	4/24/2006	ND<50	FALSE
II-1	4/24/2006	ND<50	FALSE
II-1	10/19/2006	ND<50	FALSE
II-1	4/12/2007	ND<50	FALSE
II-1	9/28/2007	ND<50	FALSE
II-1	4/30/2008	ND<50	FALSE
II-1	12/2/2008	ND<50	FALSE
II-1	2/13/2009	ND<50	FALSE
II-1	4/17/2009	5.1	FALSE
II-1	10/16/2009	ND<50	FALSE
II-1	4/30/2010	5.77	FALSE
II-1	10/8/2010	ND<50	FALSE
II-1	5/11/2011	5.52	FALSE
II-1	10/13/2011	5.46	FALSE
II-1	4/19/2012	3.95	FALSE

II-2	3/25/1994	21	FALSE
II-2	7/6/1994	36	FALSE
II-2	9/9/1994	61	FALSE
II-2	3/17/1995	ND<50	FALSE
II-2	7/11/1995	210	FALSE
II-2	11/17/1995	ND<50	FALSE
II-2	1/5/1996	ND<50	FALSE
II-2	9/25/1996	70	FALSE
II-2	3/26/1997	240	FALSE
II-2	9/17/1997	390	TRUE
II-2	5/5/1998	ND<50	FALSE
II-2	10/16/1998	ND<50	FALSE
II-2	3/26/1999	ND<50	FALSE
II-2	9/22/1999	ND<50	FALSE

II-2	3/27/2000	ND<50	FALSE
II-2	9/13/2000	ND<50	FALSE
II-2	3/12/2001	ND<50	FALSE
II-2	9/13/2001	ND<50	FALSE
II-2	3/7/2002	ND<50	FALSE
II-2	9/18/2002	ND<50	FALSE
II-2	4/15/2003	ND<50	FALSE
II-2	10/16/2003	ND<50	FALSE
II-2	3/24/2004	ND<50	FALSE
II-2	9/22/2004	ND<50	FALSE
II-2	2/17/2005	ND<50	FALSE
II-2	5/11/2005	ND<50	FALSE
II-2	10/11/2005	ND<50	FALSE
II-2	4/24/2006	ND<50	FALSE
II-2	4/24/2006	ND<50	FALSE
II-2	10/19/2006	ND<50	FALSE
II-2	4/12/2007	ND<50	FALSE
II-2	9/28/2007	ND<50	FALSE
II-2	4/30/2008	ND<50	FALSE
II-2	12/2/2008	ND<50	FALSE
II-2	2/13/2009	ND<50	FALSE
II-2	4/17/2009	ND<50	FALSE
II-2	10/16/2009	8.88	FALSE
II-2	4/30/2010	ND<50	FALSE
II-2	10/8/2010	ND<50	FALSE
II-2	5/11/2011	ND<50	FALSE
II-2	10/13/2011	ND<50	FALSE
II-2	4/19/2012	ND<50	FALSE

II-3	3/25/1994	22	FALSE
II-3	7/6/1994	38	FALSE
II-3	9/9/1994	36	FALSE
II-3	3/17/1995	18	FALSE
II-3	7/11/1995	95	FALSE
II-3	11/17/1995	ND<50	FALSE
II-3	1/5/1996	ND<50	FALSE
II-3	9/25/1996	82	FALSE
II-3	3/26/1997	250	FALSE
II-3	9/17/1997	190	FALSE
II-3	5/5/1998	ND<50	FALSE
II-3	10/16/1998	ND<50	FALSE
II-3	3/26/1999	ND<50	FALSE
II-3	9/22/1999	ND<50	FALSE
II-3	3/27/2000	ND<50	FALSE
II-3	9/13/2000	ND<50	FALSE
II-3	3/12/2001	ND<50	FALSE
II-3	9/13/2001	ND<50	FALSE
II-3	3/7/2002	ND<50	FALSE
II-3	9/18/2002	ND<50	FALSE
II-3	4/15/2003	ND<50	FALSE
II-3	10/16/2003	ND<50	FALSE
II-3	3/24/2004	ND<50	FALSE
II-3	9/22/2004	ND<50	FALSE
II-3	2/17/2005	ND<50	FALSE
II-3	5/11/2005	ND<50	FALSE
II-3	10/11/2005	ND<50	FALSE
II-3	4/24/2006	ND<50	FALSE
II-3	4/24/2006	ND<50	FALSE
II-3	10/19/2006	ND<50	FALSE
II-3	4/12/2007	3	FALSE
II-3	9/28/2007	ND<50	FALSE
II-3	4/30/2008	2.5	FALSE
II-3	12/2/2008	ND<50	FALSE
II-3	2/13/2009	ND<50	FALSE
II-3	4/17/2009	7.1	FALSE
II-3	10/16/2009	7.31	FALSE
II-3	4/30/2010	6.28	FALSE
II-3	10/8/2010	ND<50	FALSE
II-3	5/11/2011	ND<50	FALSE
II-3	10/13/2011	ND<50	FALSE

II-3	4/19/2012	5.8	FALSE
II-4	3/25/1994	15	FALSE
II-4	7/6/1994	ND<50	FALSE
II-4	9/9/1994	152	FALSE
II-4	3/17/1995	10	FALSE
II-4	7/11/1995	130	FALSE
II-4	11/17/1995	55	FALSE
II-4	1/5/1996	ND<50	FALSE
II-4	9/25/1996	ND<50	FALSE
II-4	3/26/1997	250	FALSE
II-4	9/17/1997	130	FALSE
II-4	5/5/1998	140	FALSE
II-4	10/16/1998	66	FALSE
II-4	3/26/1999	ND<50	FALSE
II-4	9/22/1999	54	FALSE
II-4	3/27/2000	140	FALSE
II-4	9/13/2000	ND<50	FALSE
II-4	3/12/2001	ND<50	FALSE
II-4	9/13/2001	ND<50	FALSE
II-4	3/7/2002	ND<50	FALSE
II-4	9/18/2002	ND<50	FALSE
II-4	4/15/2003	ND<50	FALSE
II-4	10/16/2003	ND<50	FALSE
II-4	3/24/2004	ND<50	FALSE
II-4	9/22/2004	ND<50	FALSE
II-4	5/11/2005	ND<50	FALSE
II-4	10/11/2005	91	FALSE
II-4	4/24/2006	72.8	FALSE
II-4	4/24/2006	72.8	FALSE
II-4	10/19/2006	113	FALSE
II-4	4/12/2007	48.5	FALSE
II-4	9/28/2007	ND<50	FALSE
II-4	4/30/2008	579	TRUE
II-4	12/2/2008	121	FALSE
II-4	2/13/2009	ND<50	FALSE
II-4	4/17/2009	21.6	FALSE
II-4	10/16/2009	91.1	FALSE
II-4	4/30/2010	74.8	FALSE
II-4	10/8/2010	76.3	FALSE
II-4	5/11/2011	39.9	FALSE
II-4	10/13/2011	48.8	FALSE
II-4	4/19/2012	202	FALSE
II-5	3/25/1994	6	FALSE
II-5	7/6/1994	ND<50	FALSE
II-5	9/9/1994	25	FALSE
II-5	3/17/1995	14	FALSE
II-5	7/11/1995	58	FALSE
II-5	11/17/1995	ND<50	FALSE
II-5	1/5/1996	71	FALSE
II-5	9/25/1996	72	FALSE
II-5	3/26/1997	150	FALSE
II-5	9/17/1997	120	FALSE
II-5	5/5/1998	56	FALSE
II-5	10/16/1998	ND<50	FALSE
II-5	3/26/1999	ND<50	FALSE
II-5	9/22/1999	ND<50	FALSE
II-5	3/27/2000	ND<50	FALSE
II-5	9/13/2000	ND<50	FALSE
II-5	3/12/2001	ND<50	FALSE
II-5	9/13/2001	ND<50	FALSE
II-5	3/7/2002	ND<50	FALSE
II-5	9/18/2002	ND<50	FALSE
II-5	4/15/2003	ND<50	FALSE
II-5	10/16/2003	ND<50	FALSE
II-5	3/24/2004	ND<50	FALSE
II-5	9/22/2004	ND<50	FALSE
II-5	5/11/2005	ND<50	FALSE

II-5	10/11/2005	ND<50	FALSE
II-5	4/24/2006	ND<50	FALSE
II-5	4/24/2006	ND<50	FALSE
II-5	10/19/2006	ND<50	FALSE
II-5	4/12/2007	ND<50	FALSE
II-5	9/28/2007	ND<50	FALSE
II-5	4/30/2008	2.5	FALSE
II-5	12/2/2008	ND<50	FALSE
II-5	2/13/2009	ND<50	FALSE
II-5	4/17/2009	4.2	FALSE
II-5	10/16/2009	ND<50	FALSE
II-5	4/30/2010	ND<50	FALSE
II-5	10/8/2010	ND<50	FALSE
II-5	5/11/2011	ND<50	FALSE
II-5	10/13/2011	ND<50	FALSE
II-5	4/19/2012	ND<50	FALSE

II-8	7/6/1994	5	FALSE
II-8	9/9/1994	25	FALSE
II-8	3/17/1995	20	FALSE
II-8	7/11/1995	62	FALSE
II-8	11/17/1995	130	FALSE
II-8	1/5/1996	60	FALSE
II-8	9/25/1996	ND<50	FALSE
II-8	3/26/1997	560	TRUE
II-8	9/17/1997	230	FALSE
II-8	5/5/1998	63	FALSE
II-8	10/16/1998	75	FALSE
II-8	3/26/1999	ND<50	FALSE
II-8	9/22/1999	ND<50	FALSE
II-8	3/27/2000	ND<50	FALSE
II-8	9/13/2000	ND<50	FALSE
II-8	3/12/2001	ND<50	FALSE
II-8	9/13/2001	ND<50	FALSE
II-8	3/7/2002	ND<50	FALSE
II-8	9/18/2002	ND<50	FALSE
II-8	4/15/2003	ND<50	FALSE
II-8	10/16/2003	ND<50	FALSE
II-8	3/24/2004	ND<50	FALSE
II-8	9/22/2004	ND<50	FALSE
II-8	5/11/2005	ND<50	FALSE
II-8	10/11/2005	ND<50	FALSE
II-8	4/24/2006	ND<50	FALSE
II-8	4/24/2006	ND<50	FALSE
II-8	10/19/2006	ND<50	FALSE
II-8	4/12/2007	ND<50	FALSE
II-8	9/28/2007	ND<50	FALSE
II-8	4/30/2008	ND<50	FALSE
II-8	12/2/2008	ND<50	FALSE
II-8	2/13/2009	ND<50	FALSE
II-8	4/17/2009	4.7	FALSE
II-8	10/16/2009	4.03	FALSE
II-8	4/30/2010	ND<50	FALSE
II-8	10/8/2010	ND<50	FALSE
II-8	5/11/2011	ND<50	FALSE
II-8	10/13/2011	ND<50	FALSE
II-8	4/19/2012	ND<50	FALSE

I-5	9/9/1994	48	FALSE
I-5	3/17/1995	11	FALSE
I-5	7/11/1995	400	TRUE
I-5	11/17/1995	134	FALSE
I-5	1/5/1996	119	FALSE
I-5	9/25/1996	72	FALSE
I-5	3/26/1997	200	FALSE
I-5	9/17/1997	230	FALSE
I-5	5/5/1998	ND<50	FALSE
I-5	10/16/1998	ND<50	FALSE
I-5	3/26/1999	ND<50	FALSE

I-5	9/22/1999	ND<50	FALSE
I-5	3/27/2000	ND<50	FALSE
I-5	9/13/2000	ND<50	FALSE
I-5	3/12/2001	ND<50	FALSE
I-5	9/13/2001	ND<50	FALSE
I-5	3/7/2002	ND<50	FALSE
I-5	9/18/2002	ND<50	FALSE
I-5	4/15/2003	ND<50	FALSE
I-5	10/16/2003	ND<50	FALSE
I-5	3/24/2004	ND<50	FALSE
I-5	9/22/2004	ND<50	FALSE
I-5	5/11/2005	ND<50	FALSE
I-5	10/11/2005	ND<50	FALSE
I-5	4/24/2006	ND<50	FALSE
I-5	4/24/2006	ND<50	FALSE
I-5	10/19/2006	ND<50	FALSE
I-5	4/12/2007	ND<50	FALSE
I-5	9/28/2007	ND<50	FALSE
I-5	4/30/2008	ND<50	FALSE
I-5	12/2/2008	ND<50	FALSE
I-5	2/13/2009	ND<50	FALSE
I-5	4/17/2009	ND<50	FALSE
I-5	10/16/2009	ND<50	FALSE
I-5	4/30/2010	ND<50	FALSE
I-5	10/8/2010	ND<50	FALSE
I-5	5/11/2011	ND<50	FALSE
I-5	10/13/2011	ND<50	FALSE
I-5	4/19/2012	ND<50	FALSE

II-6	3/17/1995	20	FALSE
II-6	7/11/1995	140	FALSE
II-6	11/17/1995	ND<50	FALSE
II-6	1/5/1996	54	FALSE
II-6	9/25/1996	76	FALSE
II-6	3/26/1997	170	FALSE
II-6	9/17/1997	190	FALSE
II-6	5/5/1998	72	FALSE
II-6	10/16/1998	ND<50	FALSE
II-6	3/26/1999	ND<50	FALSE
II-6	9/22/1999	ND<50	FALSE
II-6	3/27/2000	ND<50	FALSE
II-6	9/13/2000	ND<50	FALSE
II-6	3/12/2001	ND<50	FALSE
II-6	9/13/2001	ND<50	FALSE
II-6	3/7/2002	ND<50	FALSE
II-6	9/18/2002	ND<50	FALSE
II-6	4/15/2003	ND<50	FALSE
II-6	10/16/2003	ND<50	FALSE
II-6	3/24/2004	ND<50	FALSE
II-6	9/22/2004	ND<50	FALSE
II-6	5/11/2005	ND<50	FALSE
II-6	10/11/2005	ND<50	FALSE
II-6	4/24/2006	ND<50	FALSE
II-6	4/24/2006	ND<50	FALSE
II-6	10/19/2006	ND<50	FALSE
II-6	4/12/2007	ND<50	FALSE
II-6	9/28/2007	ND<50	FALSE
II-6	4/30/2008	30	FALSE
II-6	12/2/2008	ND<50	FALSE
II-6	2/13/2009	ND<50	FALSE
II-6	4/17/2009	5.7	FALSE
II-6	10/16/2009	4.87	FALSE
II-6	4/30/2010	4.08	FALSE
II-6	10/8/2010	ND<50	FALSE
II-6	5/11/2011	ND<50	FALSE
II-6	10/13/2011	ND<50	FALSE
II-6	4/19/2012	ND<50	FALSE

II-7	3/17/1995	30	FALSE
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II-7	7/11/1995	64	FALSE
II-7	11/17/1995	ND<50	FALSE
II-7	1/5/1996	ND<50	FALSE
II-7	9/25/1996	ND<50	FALSE
II-7	3/26/1997	ND<50	FALSE
II-7	9/17/1997	ND<50	FALSE
II-7	5/5/1998	ND<50	FALSE
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II-7	9/13/2000	ND<50	FALSE
II-7	3/12/2001	ND<50	FALSE
II-7	9/13/2001	ND<50	FALSE
II-7	3/7/2002	ND<50	FALSE
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II-7	4/15/2003	ND<50	FALSE
II-7	10/16/2003	ND<50	FALSE
II-7	3/24/2004	ND<50	FALSE
II-7	9/22/2004	ND<50	FALSE
II-7	2/17/2005	ND<50	FALSE
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II-7	4/24/2006	ND<50	FALSE
II-7	10/19/2006	ND<50	FALSE
II-7	4/12/2007	ND<50	FALSE
II-7	9/28/2007	ND<50	FALSE
II-7	4/30/2008	ND<50	FALSE
II-7	12/2/2008	ND<50	FALSE
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II-7	10/16/2009	60.4	FALSE
II-7	4/30/2010	6.49	FALSE
II-7	10/8/2010	ND<50	FALSE
II-7	5/11/2011	ND<50	FALSE
II-7	10/13/2011	ND<50	FALSE
II-7	4/19/2012	ND<50	FALSE

II-7B	3/12/2001	ND<50	FALSE
II-7B	9/13/2001	ND<50	FALSE
II-7B	3/7/2002	ND<50	FALSE
II-7B	9/18/2002	ND<50	FALSE
II-7B	4/15/2003	ND<50	FALSE
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II-7B	3/24/2004	ND<50	FALSE
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II-7B	10/11/2005	ND<50	FALSE
II-7B	4/24/2006	ND<50	FALSE
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II-7B	4/12/2007	ND<50	FALSE
II-7B	9/28/2007	ND<50	FALSE
II-7B	4/30/2008	ND<50	FALSE
II-7B	12/2/2008	ND<50	FALSE
II-7B	2/13/2009	ND<50	FALSE
II-7B	4/17/2009	ND<50	FALSE
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II-7B	4/30/2010	ND<50	FALSE
II-7B	10/8/2010	ND<50	FALSE
II-7B	5/11/2011	ND<50	FALSE
II-7B	10/13/2011	ND<50	FALSE
II-7B	4/19/2012	ND<50	FALSE

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II-10	10/19/2006	ND<50	FALSE
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II-10	4/30/2010	ND<50	FALSE
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II-10	5/11/2011	ND<50	FALSE
II-10	10/13/2011	ND<50	FALSE
II-10	4/19/2012	ND<50	FALSE

II-11	5/11/2005	ND<50	FALSE
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II-11	4/12/2007	ND<50	FALSE
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II-11	12/2/2008	ND<50	FALSE
II-11	2/13/2009	ND<50	FALSE
II-11	4/17/2009	ND<50	FALSE
II-11	10/16/2009	ND<50	FALSE
II-11	4/30/2010	ND<50	FALSE
II-11	10/8/2010	ND<50	FALSE
II-11	5/11/2011	ND<50	FALSE
II-11	10/13/2011	ND<50	FALSE
II-11	4/19/2012	ND<50	FALSE

II-12	5/11/2005	ND<50	FALSE
II-12	4/24/2006	ND<50	FALSE
II-12	4/24/2006	ND<50	FALSE
II-12	10/19/2006	ND<50	FALSE
II-12	4/12/2007	ND<50	FALSE
II-12	9/28/2007	ND<50	FALSE
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II-12	12/2/2008	20.5	FALSE
II-12	2/13/2009	ND<50	FALSE
II-12	4/17/2009	37.5	FALSE
II-12	10/16/2009	ND<50	FALSE
II-12	4/30/2010	ND<50	FALSE
II-12	10/8/2010	ND<50	FALSE
II-12	5/11/2011	ND<50	FALSE
II-12	10/13/2011	ND<50	FALSE
II-12	4/19/2012	ND<50	FALSE

II-9	5/11/2005	ND<50	FALSE
II-9	4/24/2006	ND<50	FALSE
II-9	4/24/2006	ND<50	FALSE
II-9	10/19/2006	ND<50	FALSE
II-9	4/12/2007	ND<50	FALSE
II-9	9/28/2007	ND<50	FALSE
II-9	4/30/2008	ND<50	FALSE
II-9	12/2/2008	ND<50	FALSE
II-9	2/13/2009	ND<50	FALSE
II-9	4/17/2009	ND<50	FALSE
II-9	10/16/2009	ND<50	FALSE
II-9	4/30/2010	ND<50	FALSE
II-9	10/8/2010	ND<50	FALSE
II-9	5/11/2011	ND<50	FALSE
II-9	10/13/2011	ND<50	FALSE
II-9	4/19/2012	ND<50	FALSE

APPENDIX VII

NCDENR Environmental Monitoring Reporting Form

DENVER ONLY

Paper Report

Electronic Data - Email CD (data loaded: Yes / No)

Doc/Event #:

NC DENR

Division of Waste Management - Solid Waste

**Environmental Monitoring
Reporting Form**

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

S&ME, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Edmund Henriques Phone: 336-288-7180
 E-mail: ehenriques@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
White Street Landfill - Phase II	North end of White Street, Greensboro, NC	41-03	1600	April 17-18, 2012

Environmental Status: (Check all that apply)

Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

<input checked="" type="checkbox"/> Groundwater monitoring data from monitoring wells	<input type="checkbox"/> Methane gas monitoring data
<input type="checkbox"/> Groundwater monitoring data from private water supply wells	<input type="checkbox"/> Corrective action data (specify) _____
<input type="checkbox"/> Leachate monitoring data	<input type="checkbox"/> Other(specify) _____
<input checked="" type="checkbox"/> Surface water monitoring data	

Notification attached?

- No. No groundwater or surface water standards were exceeded.
- Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
- Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Edmund Q.B. Henriques

Environmental Department Manager 336-288-7180

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

Signature

Edmund Q.B. Henriques

8-22-12

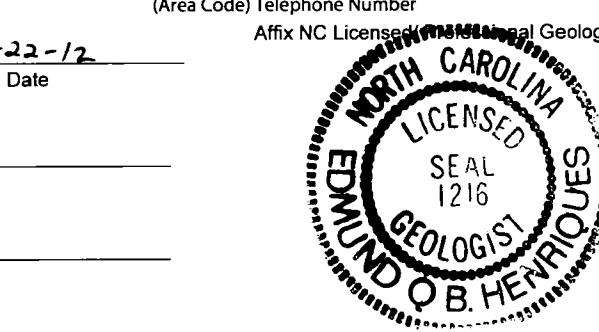
Affix NC Licensed Professional Geologist Seal

3718 Old Battleground Road, Greensboro, NC 27410

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009



APPENDIX VIII

NC DENR Formatted Data Tables CD